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62.37

Established 1887

Mns.

1901

True and Reliable SEEDS

FARM & GARDEN SUPPLIES

by J. MANNS & Co.

FORREST & HILLEN STS.

Opp Belair Market

BALTIMORE

Md.

..MANNS' SEEDS..

Are the Standard of Quality and the Key to the Success of Gardening...

True to Name,

High in Vitality,

Low in Price.

Postage Free. Seeds by the packet, ounce or quarter-pound will be sent by mail at catalogue prices. In quantities of half-pound and upward, postage must be added to catalogue prices at the rate of 8c. per pound. For Peas and Beans add 15c. per quart, and Corn 10c. per quart to catalogue prices.

How to Order. Please be careful to sign your name, post-office, county and state, on each and every letter sent us. Cash should accompany the order. Money can be sent safely either by post-office order, bank draft, express, or the cash by registered letter.

WE ACCEPT 1c. AND 2c. POSTAGE STAMPS THE SAME AS CASH.

Order Early. It would be a great accommodation to us if more of our customers would order their seeds before the rush of our busy season. If, however, you should postpone ordering even until the seeds are actually needed, you may rely upon getting them promptly.

J. MANNS & CO.,

TRUCKER'S FAVORITE SEED HOUSE,

Belair Market and Hillen St. BALTIMORE, MD.

Guggenheimer, Weil & Co., Prs.

To the Trade.

IN presenting you with our New Catalogue for 1901 we express thanks to our customers and friends for their patronage and hearty recommendation in the past, which has greatly aided us in our continued progress.

In soliciting further favors, we will say that the Stock of Seeds described and illustrated in this Catalogue are of the same **High Standard Quality** as we have furnished heretofore. We exclude everything worthless, omit the endless number which are out of date, avoid misleading descriptions, and the offering of same varieties under different names, having added several new varieties this season, which we are sure are worthy of a trial.

IF YOU HAVE NEVER TRIED OUR SEEDS

We shall be pleased to have your inquiries and orders and promise you in advance courteous and business-like attention. Should you hesitate because we are unknown to you, please write for references. We feel assured you will be pleased and profited in the use of our Seeds.

OUR PRICES ARE LOW.

While we believe that price is of secondary importance to the successful planter, yet it is by no means to be overlooked. Our aim is to supply the best seeds at the lowest possible prices.

Our prices include boxes, packing and free cartage to depots, wharves or express offices, and all mail orders will have prompt and personal attention, thus customers can obtain their supplies as safely as if they called in person at our store.

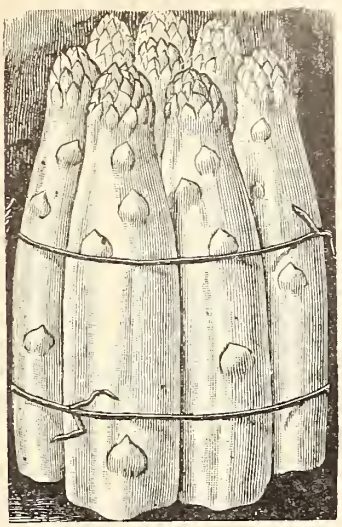
While we exercise the greatest care to have all Seeds pure and reliable, we do not give any warranty, express or implied. If the purchaser does not accept the goods on these conditions they must be returned at once and the money that has been paid for same will be refunded. We test all our Seeds before sending out, and should they fail when properly tested by the customer, we will replace the same amount or give value in others.

Very respectfully,

J. MANNS & CO.

General List of

MANNS' Choice Vegetable Seeds.



ASPARAGUS.

Spargel.

1 oz. for 60 feet drill; 400 plants.

To grow plants from seed, sow in April or May, in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds. During the Summer "thin out," and the following Spring the plants may be set out in beds, 6x6 feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, with the plants four inches below the surface. The deeper the soil and the more manure used, the greater the crop. Annually, after the first cutting, the bed should be given a liberal top-dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the Fall they should be cut and removed from the beds, and just before Winter cover the beds with four inches of coarse strawy manure or leaves, which should be removed in the Spring.

COLOSSAL.—The standard variety. The shoots are of the largest size; very productive and of the best quality. 5c. a package; 15c. ¼ lb.; 40c. lb.

THE PALMETTO.—This variety is not only much earlier, but is also a better yielder, and is more even than the Old Favorite. The Palmetto has now been planted in all parts of the country, and the reports we hear indicate that it is equally well adapted for all sections, North and South. Package, 5c.; ¼ lb., 15c.; lb., 40c.

ASPARAGUS ROOTS.—Any variety, $1.00 per 100, two-year-old.

BEANS. Dwarf or Bush.—Bohnen.

1 pint to 50 feet of drill; 2 bus. to the acre.

Plant as soon as the ground is warm and dry, in drills two and one-half feet apart, and drop the beans three inches apart. For a succession sow every three weeks until the 15th of August. Hoe often, but never when wet with dew or rain, as earth will rust the leaves and injure the crop.

IMPROVED RED VALENTINE.—This is the most popular of all green-podded Short Snap Beans. It is at least ten days earlier than the old early Red Valentine. Vines very uniform, making little or no top growth, and producing enormously. Qt., 20c.; peck, 90c.; bus., $3.50.

EARLY RED VALENTINE.—The old standard variety; early round pods and very prolific. Bus., $3.25.

NEW STRINGLESS GREEN POD.—This new bean, of recent introduction, has already found first place in the list of Short Snap varieties, and is the first and only stringless green pod dwarf bean in cultivation. It surpasses all others in crisp, tender flavor, and is also very prolific. The pods are ready to market two weeks earlier than the Improved Red Valentine.

The illustration shows the width and thickness of the beautiful, straight green pods, which are always absolutely stringless, full and fleshy.

Per quart, 20c.; peck, $1.10; bus., $4.25.

EXTRA EARLY REFUGEE.—The earliest of the green-podded kinds, furnishing a fleshy pod of fine quality. The vines are a little smaller and more upright growing and the leaves distinctly lighter colored than those of the late Refugee, though the dry beans are of the same shape and color. Quart, 20c.; peck, 80c.; bus., $3.00.

REFUGEE, OR THOUSAND TO ONE.—Maturing later than Extra Early Refugee, with larger foliage; very prolific. Quart, 20c.; peck, 80c.; bus., $3.00.

WHITE VALENTINE.—The seed of this bean being white, gives it additional value, as it can be used green as a snap bean or as a Winter shell bean. 20c. a quart, 90c. a peck, $3.50 a bushel.

BEST OF ALL.—Pods long, very fleshy, succulent, stringless and rich in flavor; are produced early and abundantly; one of the most valuable green-podded beans for market or family use. Quart, 15c.; peck, 80c.; bus., $3.00.

CHERRY, OR HORTICULTURAL DWARF.—The popular market variety; equally good in green state or when shelled. Quart, 20c.; peck, $1.25; bus., $4.50.

WARDWELL'S KIDNEY WAX.—Pods long, broad, flat, and of a delicate, waxy yellow; brittle and entirely stringless; very productive. Quart, 20c.; peck, $1.25.

GERMAN BLACK WAX. — Early stringless; pods round, waxy yellow; solid and tender. The most popular Wax Bean. 25c. a quart, $1.00 a peck, $3.50 a bushel.

CURRIERS' RUST-PROOF GOLDEN WAX.—This new variety is one of the best beans ever introduced; very productive, with pods fully one-third larger than any other sort of Wax Bean. 20c. a quart, $1.10 a peck, $4.00 a bushel.

WHITE MARROW. — Extensively grown for sale as a dry bean. Excellent shelled, either green or dry. 10c. a quart, 65c. a peck, $2.25 a bushel.

GOLDEN WAX.—Very early, tender and prolific. Pods large, creamy yellow, and stringless. Quart, 20c.; peck, $1.00; bus., $3.50.

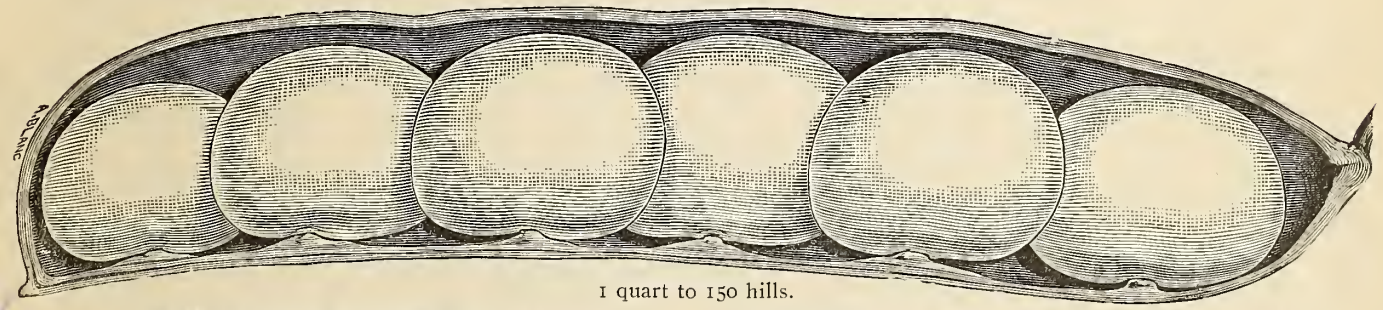
WHITE KIDNEY ROYAL DWARF.—An excellent shelled bean, green or ripe. One of the best for Winter use. Seeds large, white, kidney-shaped. 10c. a quart, 75c. a peck, $2.50 a bushel.

IMPROVED NAVY, OR BOSTON PEA BEAN.—An excellent variety, very productive early and hardy white pods, generally in clusters. For cooking they excel all other sorts. 10c. a quart, 60c. a peck, $2.50 a bushel.

BURPEE'S BUSH LIMA.—Beans as large as the large Pole Lima, but strictly dwarf, and comes absolutely true from seed. The bushes grow eighteen to twenty inches high, of short growth and always erect, branching vigorously. The bush character is thoroughly established. It is an immense bean, bearing from fifty to two hundred handsome, large pods, well filled with very large beans. 25c. a quart, $1.50 a peck, $6.00 a bushel.

POLE BEANS.

Stangen-Bohnen.



1 quart to 150 hills.

FORD'S MAMMOTH PODDED.—This grand Lima Bean is the result of over twenty years' selection by James Ford, one of the oldest market gardeners of Pennsylvania. The pods grow to an average length of seven inches, and are produced in great clusters, with from five to seven beans per pod, of most excellent quality, for using either green or dry. The vines grow vigorously, setting the beans early at the bottom of the pole, and continue in bearing right up to frost. Ford's Mammoth Podded is without exception the largest podded, finest flavored and most productive of all Lima Beans. Quart, 30c.; peck, $1.75; bus., $6.00.

SEIBERT'S EARLY LIMA.—The earliest true Pole Lima Bean. The vine is very vigorous and productive. The pods are large, but thin, and can be more easily opened than those of other varieties. The green beans are large, very handsome and of the best quality. In earliness, ease of shelling, size, beauty and quality of the green beans, this variety is superior, and must come to be recognized as one of the best of all for either the garden or market. Quart, 30c.; peck, $1.75; bus., $6.00.

KING OF THE GARDEN.—A vigorous grower, bearing profusely, large pods, varying in length from five to six inches; beans large and of rich flavor. Quart, 30c.; peck, $1.75; bus., $5.50.

LARGE WHITE.—Considered by many the most delicious of the bean family; a general favorite for house use or market. Quart, 25c.; peck, $1.75; bus., $6.00.

DREER'S IMPROVED.—The distinctive features of this are early maturity, large yield and extra quality. The bean itself is thick and round, rather than oval-shaped, as most of the other Limas are. Quart, 25c.; bus., $5.50.

LAZY WIFE'S POLE BEAN.—The pods grow from six to eight inches long, entirely stringless, of a rich, buttery flavor, when cooked. Pods retain their tender, rich flavor until nearly ripe. A good white shell bean for Winter use. Quart, 25c.; peck, $1.75; bus., $7.00.

POLE BEANS—Continued.

RED SPECKLED, CUT SHORT OR CORN HILL.—An old variety, very popular for planting among corn, and will give a good crop without poles. Vines medium, not twining tightly; pods short, round and tender. Quart, 25c.; pack, $1.75; bus., $6.00.

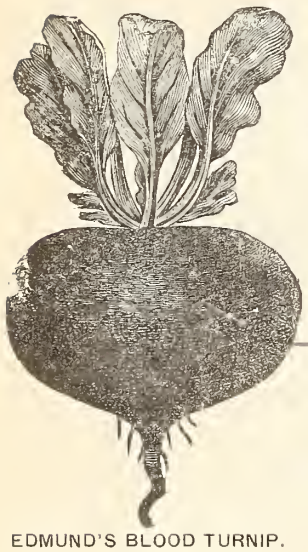
SCARLET RUNNER.—This favorite climber produces clusters of beautiful scarlet flowers, grown principally for ornament, but can be used as a green shell bean. Packages, 5c. and 10c.; quart, 40c.

EARLY BLOOD.

BEETS.—Rothe Rüben.

1 oz. to 50 feet of drill; 5 lbs. to the acre.

Sow in drills about one foot apart and two inches deep. For an early supply, sow in the Spring as soon as the ground becomes fit to work. For main crop, sow the first week in May, and for Winter use sow in June. To grow Beets to their greatest perfection, a deep worked and thoroughly enriched light sandy loam is required.



EDMUND'S BLOOD TURNIP.

EXTRA EARLY FLAT EGYPTIAN.—This is a flat beet, very early and deep red color, the earliest beet in cultivation, and from its first introduction till now has deservedly been a favorite variety. The beet is small, flat and deep red, and our stock is the very best from the originator. 5c. a pkge.; ¼ lb., 15c.; lb., 35c.

CROSBY'S EGYPTIAN.

CROSBY'S EGYPTIAN.—The name of this variety is misleading, as it resembles the Egyptian only in its extreme earliness, the sort being larger, coarser and nearer round than flat; in fact, it is more like Eclipse than Egyptian. It is one of the best sorts for early planting out of doors, as it reaches a usable size sooner than any other sort, but it is not as well suited for forcing in hot-beds or for transplanting as the Egyptian. Packet, 5c;.; ¼ lb., 15c.; lb., 40c.

EXTRA EARLY ECLIPSE.—This is without doubt the best variety of the early sorts. It is very early, maturing next to the Egyptian. The bulbs are of a dark scarlet color, very smooth, globular shape; quality is excellent and much better than Egyptian. Highly esteemed by market gardeners. Package, 5c.; ¼ lb., 15c.; lb., 40c.

ARLINGTON FAVORITE.—A beet of fine form, good flavor, deep blood-red colored flesh, small foliage; for general market garden cultivation hard to excel. Pkt., 5c.; ¼ lb., 15c.; lb., 50c.

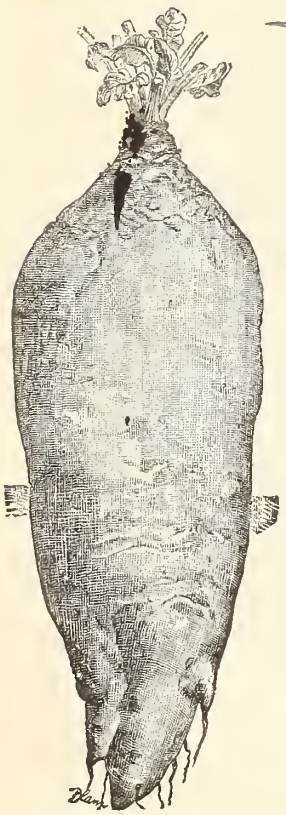
EARLY BLOOD TURNIP.—Is handsome in shape, early, deep red color, and gives satisfaction to the most practical and experienced growers. ¼ lb., 15c.; lb., 35c.

DETROIT DARK RED.—New; upright-growing tops, with few leaves and small neck; firm-fleshed and perfectly shaped roots, with dark red, tender, crisp, sweet flesh, make this an ideal early and general market sort, popular alike with grower and consumer. Oz., 10c.; ¼ lb., 15c.; lb., 50c.

EDMUND'S BLOOD TURNIP.—This is a very good strain of turnip beet; it is medium early; it is flat-round in shape, with flesh of a darker color than the average. Beet customers will find it an excellent variety for general crop, where a dark-colored crop beet is wanted. Package, 5c.; ¼ lb., 15c.; lb., 40c.

BASTIAN'S EARLY TURNIP.—Larger than the Egyptian, and follows it and the Eclipse in point of earliness; not so dark in color. Package, 5c.; ¼ lb., 15c.; lb., 40c.

SILVER, OR SWISS CHARD.—A peculiar variety, of which the leaves only are used. The middle of the leaf, cooked and served like Asparagus, makes a splendid dish. Balance of leaf can be used like Spinach. Packet, 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c.



RED GIANT MANGEL BEET.

BEETS.—MANGEL AND SUGAR.

STOCK-FEEDING VARIETIES.

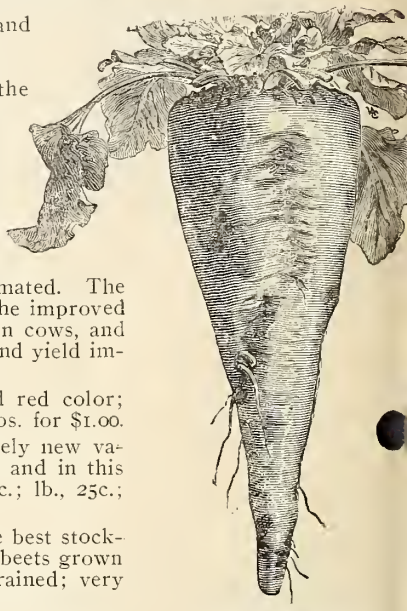
THE VALUE of these for stock feeding cannot be over-estimated. The results from their use are wonderful, as is already shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving of hay. They can be raised at a very trifling cost and yield immense crops per acre if the soil is rich.

RED GIANT MANGEL.—A large, well-formed variety, blood red color; very nutritious and favored wherever used. ¼ lb., 10c.; lb., 25c.; 5 lbs. for $1.00.

GOLDEN TANKARD.—An extremely desired and comparatively new variety, which is fast superseding the old sorts. Flesh bright yellow, and in this respect differs from all other varieties which cut white. ¼ lb., 10c.; lb., 25c.; 5 lbs., $1.00.

LANE'S IMPROVED SUGAR.—An American variety, and the best stock-feeding beet for this country. It is not so sweet as the French sugar beets grown especially for sugar making, but the roots are longer and fine grained; very sweet. Package, 5c.; ¼ lb., 10c.; lb., 25c.

VILMORINS' IMPROVED IMPERIAL.—A medium-sized white sugar beet, brought by the most careful selection to the highest perfection, both in shape, size and color of the root. ¼ lb., 15c.; lb., 30c.



LANE'S IMPROVED SUGAR.

BRUSSELS SPROUTS.

Sow in May and manage as Winter Cabbage. In the Fall the leaves should be broken down, so that the little Cabbages will have more room to grow.

THIS is one of the most delicious of all vegetables, and of easy growth. Produces on the stem small heads resembling miniature cabbages. The sprouts are used as greens and become very tender when touched by the frost.

Oz., 20c.; ¼ lb., 60c.

CABBAGE.

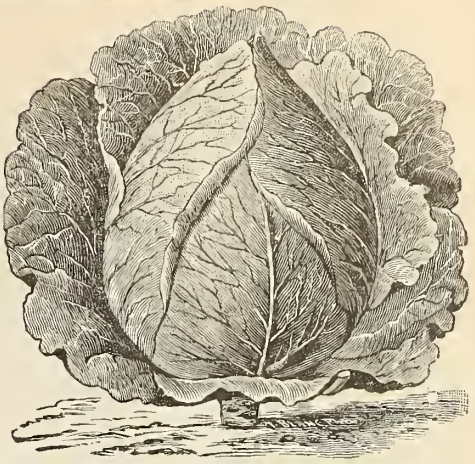
1 oz., 2,500 plants; ¼ lb., one acre.

Cabbage requires deep, rich soil, high manuring and good culture, in order to obtain fine solid heads. For early use, sow seeds of the early kinds in a hot-bed or in a box in the house, the last of January or early in February, and transplant them in open ground in April in rows two feet apart and eighteen inches between the plants in the row, or sow a bed of seed outside as soon as the soil can be worked, if you do not care for real early Cabbage. These may be transplanted in about four weeks. For second early Cabbage sow in April and transplant in May. For late Cabbage sow in May and transplant in July, three feet apart and two feet between the plants in the row.

EXTRA LARGE LATE FLAT DUTCH.

EARLY FLAT DUTCH.—An excellent second early variety, producing fine large heads after the first early varieties have disappeared. Highly valued, both for its fine quality and ability to stand the hot sun and dry weather. Heads very solid, broad and round, flattened on top, tender and fine-grained. Oz., 20c.; ¼ lb., 60c.; lb., $2.00.

SUCCESSION.—Now well known; is about one week later than the Early Summer, but larger size; a favorite among market gardeners and shippers. Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

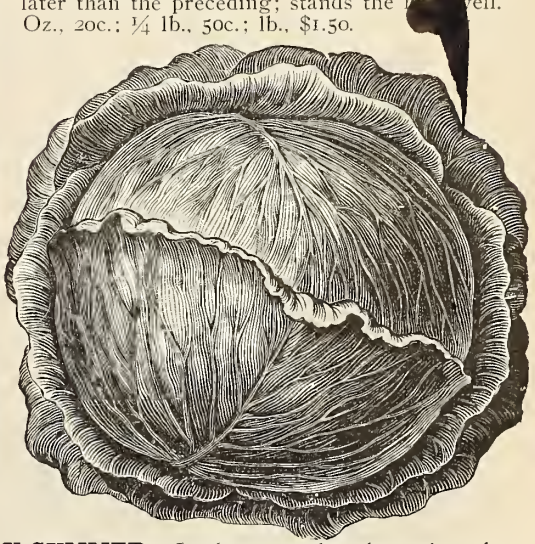


EARLY JERSEY WAKEFIELD.—Selected stock. The favorite early variety for both market gardeners and general use. Pointed heads; solid, and really the best of all the early sorts. Oz., 20c.; ¼ lb., 50c.; lb., $1.25.

THE CHARLESTON, OR LARGE WAKEFIELD.—It is five to six days later than Early Jersey Wakefield. The heads are nearly one-half larger and very solid, but not near as pointed. It is very compact in growth, and can be easily planted in rows two feet apart and twenty inches in the rows. One great advantage, both for the market and home gardener is that it does not burst open when ripe, like many other early sorts, and consequently can be left standing on the ground a long while without injury, until a favorable opportunity for cutting. Oz., 20c.; ¼ lb., 50c.; lb., $2 00.

EARLY WININGSTADT.—Old standby. Well-known and very popular everywhere. Heads decidedly conical, leaves bright, glossy green, solid and hard heads. Oz., 15c.; ¼ lb., 40c.; lb., $1.25.

LARGE EARLY YORK.—Two weeks later than the preceding; stands the h[illegible]well. Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

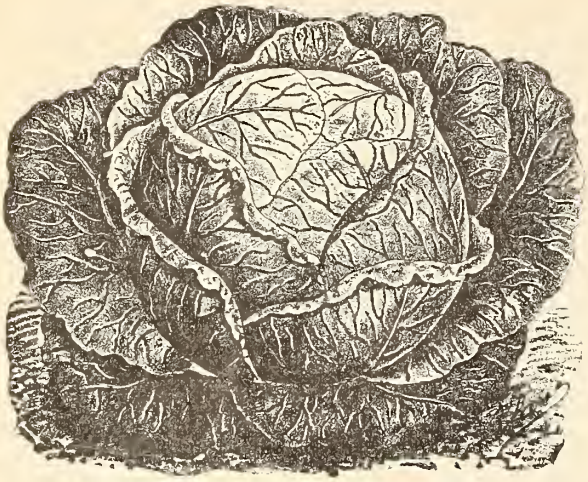


EARLY SUMMER.—Is about ten days later than the Wakefield, but being double the size, it may be classed as decidedly the best large early cabbage, and is deservedly popular with market gardeners. Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

NEW EARLY.—Very fine. Oz., 20c.; ¼ lb., 60c.; lb., $1.75.

LARGE LATE DRUMHEAD.—Heads large, round and compact; good for Fall and Winter use. Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

CABBAGE.—Continued.



PREMIUM FLAT DUTCH CABBAGE.

THE LUPTON CABBAGE.

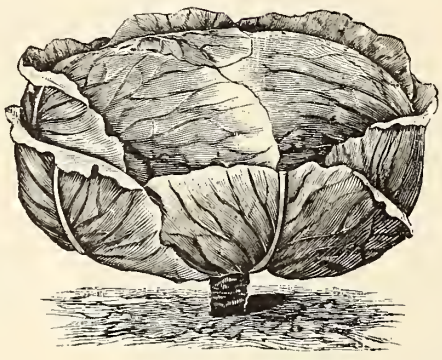
THE LUPTON.—This variety of recent introduction has met with remarkable success. Its growth is particularly strong and vigorous; its color, a dark bluish green, indicating a robust constitution and healthy development. The stem is short, but strong under the head. The head is a perfect specimen, thick and flat, the outer leaves covering it well across the centre, and while it is large, yet is very fine-grained, maturing with the Succession. Oz., 20c.; ¼ lb., 50c.; lb., $1.75.

SURE HEAD.—Is a very reliable header, large, round, flattened heads of the Flat Dutch type; a good keeper and shipper. Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

ALL HEAD EARLY.—We can fully indorse all claims made for this excellent variety, but it is no earlier than our strain of Early Summer. It is a thoroughbred sort, on account of its remarkably uniform size and shape and its reliability for heading. The deep, flat heads are solid and uniform in color, size and shape. Oz., 20c.; ¼ lb., 60c.; lb., $2.00.

ALL SEASON.—Heads very large, round, solid and of fine quality, keeping as well as the Winter sorts. Plant very vigorous, but sure heading. Remarkable for its ability to stand the hot sun and dry weather. Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

RED DUTCH.—Head large, rounded in shape, hard; very deeply colored at the heart. Package, 5c.; oz., 20c.; ¼ lb., 65c.; lb., $2.00.



SURE HEAD CABBAGE.

✓ **PREMIUM FLAT DUTCH.**—A good American strain of late Cabbage. Oz., 15c.; ¼ lb., 40c.; lb., $1.00.

LARGE LATE FLAT DUTCH.—This is the most popular variety and more largely grown than any other; the largest and most compact heads of any strain offered. We confidently recommend it. Oz., 15c.; ¼ lb., 40c.; lb., $1.

MAMMOTH ROCK RED.—Heads very large; deep red to the centre; highly recommended. Oz., 20c.; ¼ lb., 65c.; lb., $2.00.

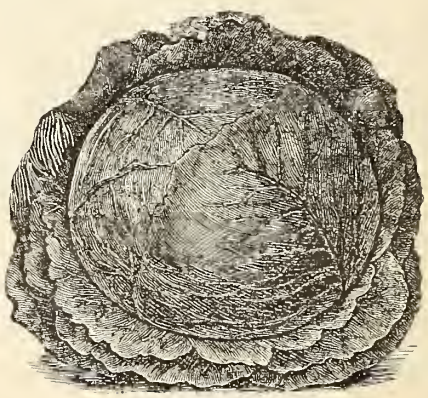
IMPERIAL DRUMHEAD SAVOY.—Solid and beautifully curled head; favorite and delicate variety; unequaled. Should be found in every garden; a good keeper. ¼ lb., 40c.; lb., $1.25.

AUTUMN KING.—A very fine late sort. Package, 5c.; oz., 20c.; ¼ lb., 40c.; lb., $1.00.

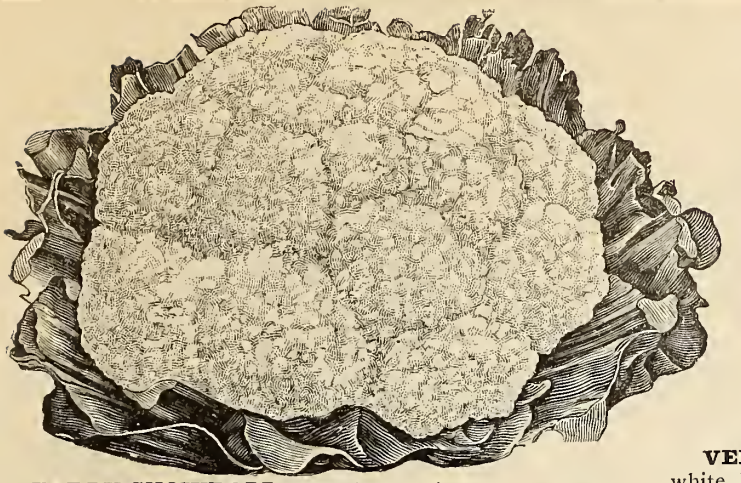
DANISH BALL HEAD CABBAGE.—A very handsome and extremely hardy imported Cabbage, which is growing in popularity in America, having proven one of the very best Winter sorts. It is highly prized in Denmark, and grown there almost exclusively for Winter Cabbage. It thrives well on thin soils and in highly exposed situations. The heads are of good marketable size, not quite so large as Flat Dutch, but very hard, round, fine-grained, and will weigh one-fourth more than other varieties of equal size.

Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

SAVOY CABBAGE.



DANISH BALL-HEAD CABBAGE.



CAULIFLOWER.

Blumenkohl.

1 oz., 1500-2000 plants.

The culture of Cauliflower is similar to Cabbage. It delights in a rich, moist soil, and in dry season should be abundantly watered, especially when heading. Sow seed in hot-bed in January or February, and transplant the plants, two or three inches apart, in boxes or in the open ground, which in this latitude is usually done from the 15th of March to the 10th of April. Set the plants two feet by fifteen inches apart. If properly hardened off, they are seldom injured by planting out too early. When heading, tie the outside leaves loosely over the head, to protect it from the sun.

EARLY SNOWBALL.—The best variety on the market. If planted March 1, large heads will be produced early in June, and scarcely a single head will fail to form. Its compact habit renders it a very profitable variety to force under glass, and it does well for late planting. Our stock cannot be excelled in quality. 25c. package; 1 oz., $2.00.

VEITCH'S AUTUMN GIANT.—The heads are pearl white, large, firm and compact, and being thoroughly protected by the foliage, remain longer fit for use. Package, 5c.; oz., 50c.; lb., $5.00.

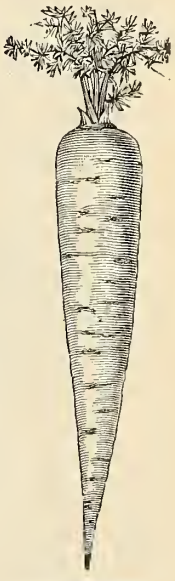
EXTRA EARLY DWARF ERFURT.—The favorite German variety; dwarf habit; compact growth; short outside leaves. 25c. package, $1.75 oz.

DANVER CARROT

CARROTS.—Möhren.

1 oz. to 150 feet of drill; 4 lbs. to the acre.

Soil should be richly manured and deeply dug. Sow as early as the ground can be worked; or for late crop, until latter part of July, in drills, 15 to 18 inches apart, finally thinning plants to about three or four inches apart in the drill. The seed is slow to germinate, and if sown early or on moist soil, half an inch is deep enough to cover the seed.



LONG ORANGE.

EARLY HORN.—Stump rooted; second in size; one of the most popular for forcing and early outside sowing. Flesh deep orange; fine-grained; small top. Package, 5c.; ¼ lb., 20c.; lb., 60c.

HALF LONG SCARLET NANTES.—Tops medium-sized; roots cylindrical, smooth, bright orange; flesh orange, becoming yellow in centre, but with no distinct core; of the finest quality, and one of the most symmetrical and handsome of the medium-sized sorts; excellent for the market or home garden. Package, 5c.; ¼ lb., 20c.; lb., 60c.

CHANTENAY, OR MODEL CARROT.—For table use it is probably the best in shape and finest in quality of all. They are a little longer than the Short Horn and more productive; always very smooth and fine in texture; the flesh is tender, of a deep golden orange. Oz., 10c.; ¼ lb., 20c.; lb., 60c.

DANVERS.—The most remarkable thing about this variety, aside from its quality, is its enormous yield, and it is rapidly superseding the long-established long orange variety. Our stock is true, and will give greatest satisfaction to the growers. Package, 5c.; ¼ lb., 20c.; lb., 50c.

NEW MODEL CARROT.

ST. VALLERY, OR NEW INTERMEDIATE.—Roots very smooth and regular in growth, of large size, from ten to twelve inches in length, and two to three inches in diameter at the top, tapering gradually throughout. Rich, deep coloring and free from hard core. Sometimes sold as Pride of the Market Carrot. ¼ lb., 20c.; lb., 60c.

HALF-LONG ORANGE.—A favorite and well-known variety; early; handsome shape. Package, 5c.; ¼ lb., 20c.; lb., 60c.

IMPROVED LONG ORANGE.—A standard late variety, beautiful and uniform in shape, deep orange color; good flavor; yields heavy. It requires a deep soil and the plants should stand eight inches apart in eighteen inch drills for roots to attain their full size. Package, 5c.; ¼ lb., 20c.; lb., 50c.

GUERANDA, OR OX-HEART.—A very choice strain of stump-rooted varieties; deep orange color, very tender and productive. Package, 5c.; ¼ lb., 20c.; lb., 60c.

HALF-LONG SCARLET NANTES.

CELERY.—Celterie.

1 oz. to 1,000 plants.

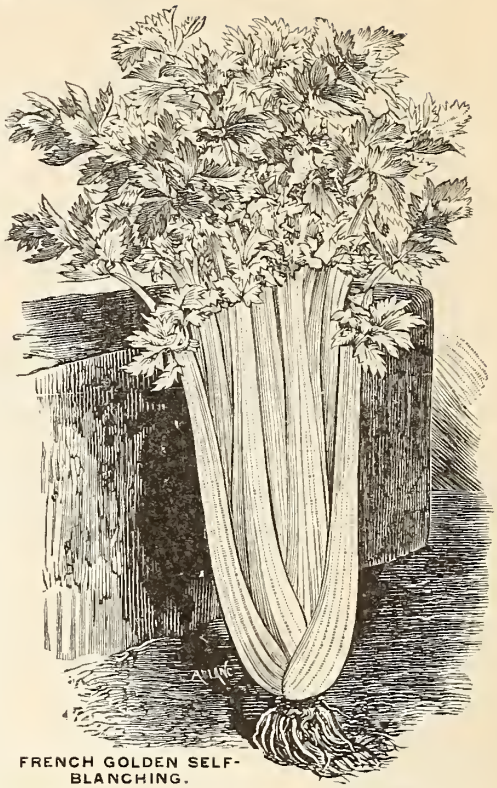
Sow the seed in a well-prepared soil as soon as the ground is in a proper condition to work. Sow in drills and tread the seed firmly in; thin out to an inch apart, and keep the ground well worked and free from weeds. In order to secure stock plants, cut off the tops once or twice before transplanting, which should be about in July. Make the soil very rich with well-rotted manure, which should be dug in deep; a moist, low, rich bottom land or well-drained muck soil is preferable. Set the plants eight or twelve inches apart. To blanch, draw earth around the plants from time to time, taking care not to cover the tops of the centre shoots.

GIANT PASCAL.—Developed from the Golden Self-Blanching, it retains the beautiful color. The stocks are very large, thick, solid, crisp and of rich, nutty flavor; free from any taste of bitterness. It branches very easily and retains color and fresh appearance long after being marketed. Package, 5c.; oz., 15c.; ¼ lb., 50c.; lb., $1.50.

GIANT PASCAL.

WHITE PLUME.—This is a very profitable extra early market variety, requiring little labor. It is solid, of fine flavor, and very ornamental. It matures three weeks earlier than other sorts, and it deserves unqualified praise, and calls for no apology. Package, 5c.; oz., 20c.; ¼ lb., 50c.; lb., $1.50.

GIANT GOLDEN HEART. — Produced by careful selection and high culture from the Dwarf Golden Heart. In quality, appearance and large size it is unsurpassed. We recommend it as one of the best late varieties for the market gardener. It is very hardy, and is held in high esteem wherever used. Package, 5c.; oz., 20c.; ¼ lb., 60c.; lb., $1.50.



FRENCH GOLDEN SELF-BLANCHING.

FRENCH GOLDEN SELF-BLANCHING.—The entire plant is of an attractive yellowish-green color, and as it approaches maturity the minor stems and leaves become a beautiful waxy golden color. It grows to good size, is very tender, crisp and solid; of excellent quality. It is quite as self-blanching as White Plume and simply needs a slight earthing up. Oz., 30c.; ¼ lb., $1.00.

NEW GOLDEN ROSE (Rose Ribbed Golden Self-Blanching).—It is a sport from the Golden Self-Blanching, having the same rich golden-yellow color, in the main, greatly enhanced in beauty by the delicate rosy hue of the ribs. On account of this combination of color, it is called by some "Rose Ribbed Golden Self-Blanching." A strong and healthy grower, and its self-blanching character well fixed. The plant is dwarf and heavy, the stalks smooth, free from ridges, solid and crisp. Very early, on account of its self-blanching habit; a good keeper. Oz., 25c.; ¼ lb., 85c.; lb., $3.00.

GOLDEN HEART.—A distinct variety of sturdy dwarf habit. It is solid, and an excellent keeper, and of fine, nutty flavor. When blanched, the heart, which is large and full, is of a light yellow, making it exceedingly showy, and desirable for either market or private use. Package, 5c.; oz., 20c.; ¼ lb., 50c.; lb., $1.25.

GOLDEN HEART.

EVANS' NEW TRIUMPH. This variety has a very strong and vigorous plant, with very large but crisp, brittle, tender and fine-flavored stalks. It is late and requires the whole season to develop, but will keep longer than other sorts. We recommend it as worthy of the first place, as a late Celery. Package, 5c.; oz., 20c.; ¼ lb., 60c.; lb., $2.00.

EVANS' NEW TRIUMPH.

BOSTON MARKET.—For many years the most popular sort. It is a vigorous grower, and very branching, and an excellent keeper. Package, 5c.; oz., 20c.; ¼ lb., 40c.; lb., $1.25.

PERLE LE GRAND.—(New.) This variety is without doubt a remarkable novelty in Celery, since the introduction of the Golden Self-Blanching. Its straight, vigorous, golden-yellow stalks, compact growth and close habits, are handsome, and of beautiful appearance. Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

CELERIAC.—Knoll Sellerie.

One ounce will produce about 2 000 plants. Produces turnip-shaped roots which may be cooked and sliced and used with vinegar, making a most excellent salad.

LARGE SMOOTH.—A very large and smooth variety, free from side roots; a desirable sort for market, and an excellent keeper. Package, 5c.; ¼ lb., 50c.; lb., $1.50.

CORN SALAD—Ackersalat.

A vegetable used as a salad. It is sown in the opening of Spring in rows one foot apart, and is fit to use in 6 or 8 weeks from sowing. If wanted in early Spring, sow in September; cover with straw as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or shutters, and used any time during the Winter.

Large leaved. ¼ lb., 15c.; lb., 40c.

Cress or Pepper Grass.—Kresse.

Sprinkle seed freely along shallow drills one foot apart, at intervals, through Spring and Summer, as desired.

Curled Garden. Oz., 10c.

Water Cress.—Wasserkresse.

It is easily grown by planting along the margins of ponds and streams, where it increases both by spreading of the roots and by seeding.

Package, 10c.; oz., 20c.

SUGAR CORN.

1 qt., 200 hills; 10 qts., 1 acre.

The Sugar or sweet varieties should not be planted until May, or when the ground has become warm, and for a succession every ten days or two weeks, until the last of July, in hills—for early varieties, 2x3 feet, and for the late, large kinds, 3x3 feet. Give frequent and thorough cultivation. Allot five to six grains to each hill, but never allow more than three plants to stand.

FIRST EARLY NECK.—This variety can be planted earlier than any other sort; ear short, grain white. It is not a sugar corn, but on account of its being largely sold for table use, we class it among the sugar corns. Ear, 5c.; doz., 25c.; bus., $1.50.

ADAMS' EXTRA EARLY.—Similar to the First Early Neck; larger, but a fraction later; a favorite variety for early markets. Ear, 5c.; doz., 20c.; quart, 15c.; bus., $1.50.

ADAMS' EARLY.—A splendid early variety and safe cropper. Doz., 20c.; quart, 15c.; bus., $1.50.

BURLINGTON HYBRID.—It is a cross between Adams' Extra Early and a large-eared sugar corn, combining extra earliness with good quality, producing frequently three or four large ears on one stalk. Not legitimately a sugar corn, yet the husks, blades and ear in green state resemble the sugar varieties. Quart, 15c.; peck, 50c.; bus., $1.50.

KENDEL'S EARLY GIANT SWEET CORN.—This is not a mere novelty, but is of real merit. Ears large, measuring eight to ten inches long, having ten to twelve rows on each cob; kernels pure white, sweet and tender. Gardeners report this corn ready to use in sixty days grown on sand, and seventy-two days on heavy clay. Dealers and truckers report ready sales, and are enthusiastic over its earliness, large size and productiveness. Qrt., 15c.; Peck, 60c.; bus., $2.25.

SHAKER'S EARLY.

CORY.—The earliest sweet corn in cultivation; the ears are fair-sized and very fine quality. Quart, 15c.; peck, 60c.; bus., $2.25.

SHAKER'S EARLY.—This is a superb early variety, with large, well-filled ears; the kernels are of pearly whiteness and most delicious, sweet flavor. It is ready to market one week after Cory corn, while the ears are very much larger, and it completely fills the interval between Cory and Stowell's Evergreen. It is very prolific, generally bearing three to four ears to the stalk. Quart, 20c.; peck, 75c.; bus., $2.50.

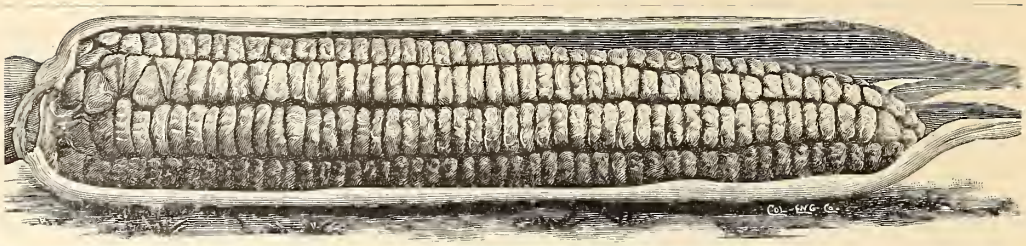
PERRY'S HYBRID.—A very early, twelve-rowed variety, growing only 4½ to 5 feet high, with ears set low on the stalk; large ears, well filled; very sweet and tender. Quart, 20c.; peck, 60c.; bus., $2.25.

COUNTRY GENTLEMAN.—Very deep grains, small cob, and exceedingly rich flavor. Often produces three or four ears to the stalk. The grains are "staggered" on the cob, leaving no signs of rows. Pint, 5c.; quart, 20c.; peck, 70c.; bus., $2.25.

QUEEN'S GOLDEN POPCORN.—20c. a quart.

WHITE RICE POPCORN.—25c. a quart.

SUGAR CORN.— CONTINUED.



STOWELL'S EVERGREEN

STOWELL'S EVERGREEN.—Grown more extensively than any other; a favorite with canners, and market gardeners for late use. The ears are of large size, kernels very deep, tender and sugary; very productive and remains for a long time in fit condition for table use. Our stock is absolutely pure and true to name. Quart, 20c.; peck, 60c.; bus., $2.00.

EARLY MAMMOTH.—Resembles very much the Late Mammoth; the ears are fully as long, but more tapering, and ripens two weeks earlier. Quart, 20c.; peck, 75c.; bus., $2.25.

LATE MAMMOTH.—This variety produces larger ears than any other sweet corn; very weighty and profitable for growers, selling by the ton. Quart, 20c.; peck, 75c.; bus., $2.25.

FIELD CORN.

HICKORY KING.—Largest grains of any white variety. Matures early and very productive. Ears set low; are of large size, well filled, very deep-grained. It produces well, even on light land. Peck, 30c.; bus., $1.00.

GOLDEN BEAUTY.—It is a large and broad-grained yellow corn. The ears of perfect shape, with from ten to fourteen straight rows of grains. The cob is very small. Peck, 25c.; bus., 90c.

CHESTER COUNTY MAMMOTH.—The ears are very large and well formed, with grain large, deep and of a bright yellow color. Stalks averaging from ten to fourteen feet.

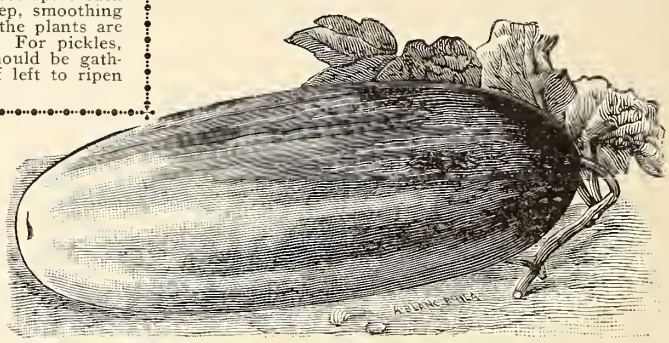
RED COB, OR NINETY-DAY CORN.—A distinct and well-known sort of white corn; matures in about ninety days; produces large, handsome ears. Peck, 40c.; bus., $1.50.

HICKORY KING.—Largest grains of any white corn, with very small cobs. Peck, 25c.; bus., $1.00.

CUCUMBERS.—Burke.

Plant as soon as the weather becomes settled, in hills, four feet apart each way, with eight or ten seeds in each hill; cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects leave three or four plants to the hill. For pickles, plant from the first of June to the first of August. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productive uses.

1 oz. to 50 feet hills; ½ lb. to the acre.

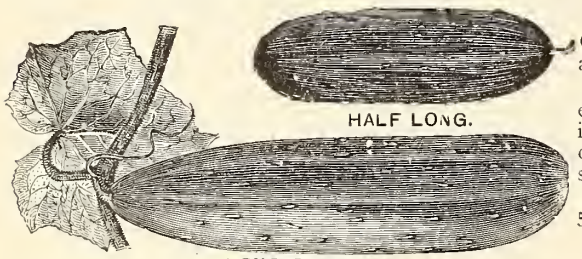


IMPROVED ARLINGTON WHITE SPINE.

EARLY WHITE SPINE.—Medium size; green and well-formed; one of the best for early market. Package, 5c.; ¼ lb., 10c.; lb., 30c.

EARLY GREEN CLUSTER.—A short, prickly variety, bearing in cluster; good for table use and fine for bottle pickles. Package, 5c.; ¼ lb., 10c.; lb., 30c.

NEW PEERLESS.—This variety was originated by a prominent New Jersey grower. It is ten days earlier than the Old Long Green, but more productive. The fruit is of a dark green, always straight and smooth, of a medium size, very attractive and will render great services for market gardeners. ¼ lb., 15c.; lb., 40c.



HALF LONG.

LONG GREEN.

HALF LONG.—Medium size, green and well-formed. Package, 5c.; ¼ lb., 10c.; lb., 30c.

JERSEY PICKLE.—In size between the Half Long and Long Green, and is used extensively by pickle growers, being productive and of deep green color. Package, 5c.; ¼ lb., 10c.; lb., 30c.

IMPROVED ARLINGTON WHITE SPINE.—This is without exception the most profitable Cucumber for truckers' cultivation. It is beyond question the earliest, most shapely and productive variety of this type; of a rich green color throughout its entire length, very straight and symmetrical. ¼ lb., 10c.; lb., 30c.

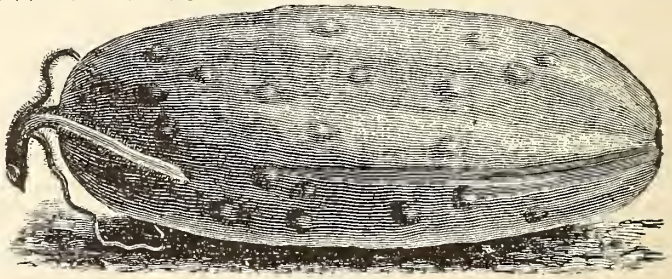
LONG GREEN.—Large green; desirable for slicing. Package, 5c.; ¼ lb., 10c.; lb., 30c.

LIVINGSTON'S EVERGREEN.— This new variety is proving of great value. It is hardy, prolific, very crisp and early; very good for pickling or slicing. When ripe it is yellow; not white, as some have mistaken it. Package, 5c. and 10c.; ¼ lb., 10c.; lb., 50c.

BISMARCK.—A cross between Long Green and White Spine, of desirable shape and color. Pkt., 5c.; ¼ lb., 15c.; lb., 40c.

EARLY GREEN CLUSTER.—A short, prickly variety bearing clusters; prolific; fine for bottle pickles. Pkt., 5c.; ¼ lb., 15c.; lb., 40c.

BOSTON PICKLING, OR GREEN PROLIFIC.—Its characteristics are its uniform growth, seldom yielding Cucumbers too large for pickling, and its immense productiveness. Pkt., 5c.; ¼ lb., 15c.; lb., 30c.



EVERGREEN.

GHERKINS, OR BURR.—Very small; quite distinct from all others. It is grown exclusively for pickling, and should be picked when young and tender. Package, 5c. and 10c.; ½ lb., 40c.; lb., 75c.

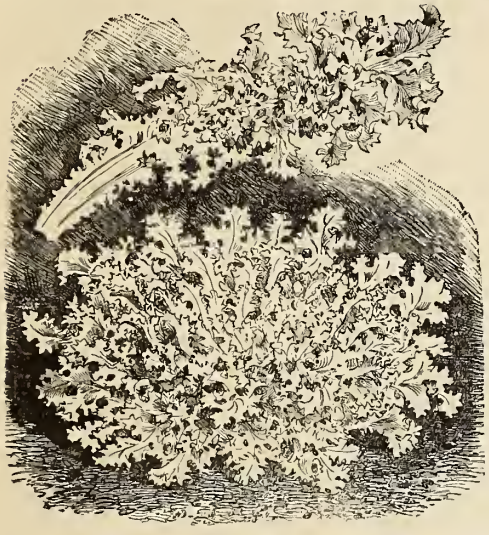
EGG PLANT.—Eierfrucht.

1 oz. will produce 1000 plants.

Sow in March in hot-bed, and transplant when two inches high into a second hot-bed, or let them remain and thin out to four inches apart. When the weather becomes settled, transplant into the open ground three feet apart each way. Good culture is quite as important as good seed; work the ground deep; make it rich with well-rotted manure and hoe often.

NEW YORK IMPROVED PURPLE.—Oval shape, thornless; dark purple color and rich flavor. Package, 10c.; oz., 20c.; ¼ lb., 75c.; lb., $2.50.

NEW MAMMOTH SMOOTH STEM.—This superior strain is a decided improvement on the New York Large Purple, in quality, size and great beauty. The plants are large and vigorous, leaves of a light green shade; stem smooth, fruit large, oval, early and of a fine deep purple. Package, 10c.; oz., 25c.; lb., $2.50.



ENDIVE.—Endivien.

1 oz. to 100 feet of drill; 38 to acre.

It may be sowed at any time. For main crop sow in June or July, in rows 15 inches apart. When nearly full grown it is blanched, to destroy bitterness, in the following form: When dry gather up the leaves and tie them by their tips in a conical shape, or lay clean boards right over the plants, which thereby excludes the light and air from their inner leaves, which then blanch to a beautiful yellowish white. After fourteen days or three weeks they will be ready for use. Tie up at different times, as it only keeps a short time after blanching. It makes a splendid salad, and is very useful, as it comes in after Lettuce is gone.

GREEN CURLED.—This variety mostly used. Package, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

EVER WHITE CURLED.—By far the most beautiful variety. Plants moderately dense; leaves coarser than those of the Green Curled, but the mid-rib is yellow and the leaves frequently almost white, so that the plants are very attractive and always bring highest prices on the market. Package, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

KALE.—Blätterkohl.

1½ to 2 lbs. to the acre.

Sow in drills or broadcast in the Fall or Spring. It will mature without further attention unless weeds get the start, when the latter must be removed, and the earth loosened.

LONG STANDING, OR NEW AMERICAN KALE.—This beautiful, deeply green, curled variety combines two important features—hardy as the Siberian, and extra curled, like the well-known curled Scotch. Superior to all other sorts, and will stand longer without shooting to seed than any other. ¼ lb., 10c.; lb., 25c.

CURLED GERMAN.—Curly, dwarf, hard and rapid grower. ¼ lb., 10c.; lb., 25c.

DWARF GREEN SCOTCH.—Is very dwarf and spreading. The leaves are beautifully curled and of a bright green. ¼ lb., 15c.; lb., 40c.

Improved Kohl-Rabi.

Kohl-Rabi.

1 Oz. will produce 1500 plants.

This forms a bulb above the ground and its flavor mingles in the peculiarities of the Cabbage. Sow in April in rows eighteen inches apart, thinning out to eight inches between the plants.

EARLY WHITE VIENNA.—Excellent for forcings and of fine quality. Package, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

Bore Cole.—Spargel-Kohl.

THIS is a most beautiful Kale. About Baltimore it is sown in May and transplanted, like Cabbage, to stand over Winter. Around Norfolk it is grown largely broadcast, like the German Kale, for early shipment. It is most desirable, and will continue to grow in favor. ¼ lb., 20c.; lb., 60c.

LEEK.—Lauch.

1 Oz. to 50 yards of drills.

Sow early in the Spring, in drills 1 inch deep and 12 inches apart; when about 6 inches high, transplant into deep, rich soil, 5 inches apart; use a dibble and plant deeply, close to their leaves, so that the neck may become blanched.

LARGE LONDON FLAG.—A favorite market variety, of enormous size; leaves large and broad; flavor very mild and pleasant. Package, 5c.; oz., 20c.; ¼ lb., 40c.; lb., $1.25.

MONSTROUS CARENTAN, OR SCOTCH CHAMPION.—Of extra large size; the leaves are fan-shape, of a dark-green color; the edible stem is six to eight inches long and three inches in diameter. Package, 5c.; ¼ lb., 50c.; lb., $1.50.

LETTUCE.—Lattich.

1 oz. to 2500 plants; 3 lbs. to the acre.

For early Spring, sow in a seed-bed in September or October, and protect through the Winter with cold frames. Seed sown in hot-beds in March will, if kept from cold, make good plants in April. Transplant in good rich soil in rows eighteen inches apart, and eight to ten inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance.

BOSTON MARKET, OR WHITE SEED TENNIS BALL.—White; crisp; best for early forcing, making small, compact heads. Package, 5c.; oz., 15c.; ¼ lb., 30c.; lb., $1.00.

PHILADELPHIA BUTTER.—An early variety, grown extensively by market gardeners; does not stand the heat well. Package, 5c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00.

MANNS' DEFIANCE SUMMER.—This new variety, introduced by us several years ago, has made a very eventful impression upon the grower, as well as the consumer. In appearance it outclasses all others. It forms handsome solid heads of enormous size, almost as large as cabbage heads, which remain in good saleable condition long after all others have gone to seed. The flavor is excellent; the leaves are of a beautiful light green. Very profitable for market gardeners. Oz., 20c.; ¼ lb., 60c.; lb., $2.00.

MANNS' DEFIANCE SUMMER LETTUCE.

NEW TRIUMPH.—First appeared in the form of a single "sport" plant in a bed of our Defiance Lettuce; resembles this variety very much, except in color, it being of a rich creamy yellow, retaining the resistance of Summer heat, and quality of the Defiance. Package, 10c.; ¼ lb., 75c.

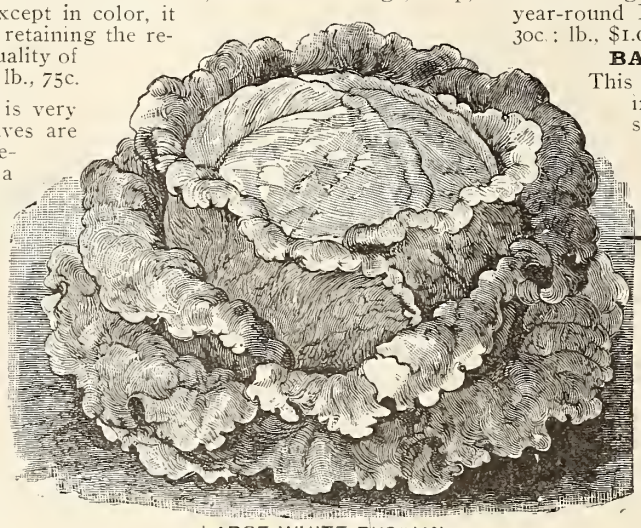
BUTTERCUP.—The plant is very distinct and attractive; the leaves are of beautiful yellow color, and remaining in condition for use a long time. Package, 5c.; oz., 15c.; ¼ lb., 30c.; lb., $1.00.

GOLDEN YELLOW STONEHEAD.—A fine variety; very solid heads of great beauty. As early as the White Tennis Ball; has larger heads and unsurpassed for table use. We recommend it most highly for forcing or early Spring crop. Package, 5c.; oz., 20c.; ¼ lb., 40c.; lb., $1.25.

BIG BOSTON.—Is about one week later in maturing than the famous Boston Market Lettuce, but nearly twice the size. Its hard heading qualities at all seasons of the year and uniformity of heads makes it a profitable variety for market gardeners and truckers. Oz., 15c.; ¼ lb., 30c.; lb., $1.00.

LARGE WHITE LOAF.—Solid large heads for frames and outdoors; very popular. Package, 5c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00.

LARGE WHITE RUSSIAN, OR BIG HEAD.—Very large, crisp, tender and of good flavor; a very good all-the-year-round Lettuce. Package, 5c.; ¼ lb., 30c.; lb., $1.00.



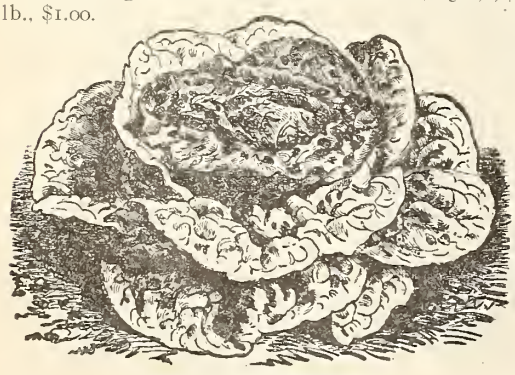
LARGE WHITE RUSSIAN.

BALTIMORE OAK-LEAVED. This differs from all other varieties in the fact of its having oak-shaped leaves, which are very tender and crisp, one of the best to withstand the Summer heat. Package, 5c.; oz., 15c.; ¼ lb., 35c.; lb., $1.00.

HARDY WINTER.—Very hardy and forms a solid head; tender and of many merits. Pkge., 5c.; ¼ lb., 35c.; lb., $1.

THICK HEAD YELLOW.—As its name indicates, this new Lettuce grows a remarkably solid head, much like a Cabbage. It defies rain and bad weather, therefore is a sure grower, as well as a rapid one. This quick growth gives exceeding tenderness and fresh, good flavor to its pretty, light green leaves. Packet, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

PREMIUM CABBAGE.—Well-formed, good size, close and a little flattened. Package, 5c.; oz., 10c.; ¼ lb., 35c.; lb., $1.00.



THICK HEAD YELLOW.

HAVING paid special attention to the growing of Lettuce for several years, and our continued efforts having been rewarded by introducing the now famous Defiance Lettuce, which for its great resistance of Summer heat has not as yet found its equal, we now for the first time shall offer our "New Triumph Lettuce," as quoted above.

See cut on last cover page.

Sample packets free on application.

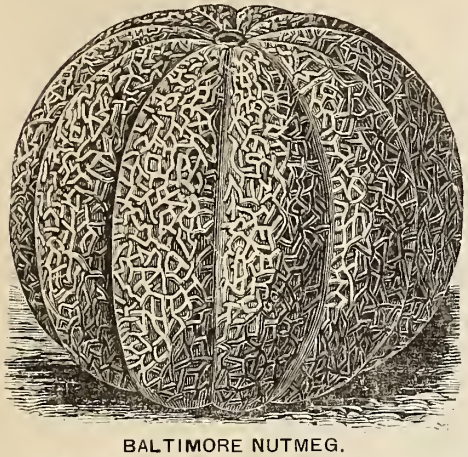
PREMIUM CABBAGE LETTUCE.

MELON.—Musk, or Cantaloupe.

1 oz. for 60 hills; 25 to the acre.

All Melons thrive best in a light, dry, sandy soil. Sow after all danger of frost is past, in hills six feet each way, ten seeds in a hill. When the plants have made the second pair of leaves, and all danger of insects is past, thin out four to a hill. If the plants grow very rank the tips of the leading shoots should be pinched off when about three feet long.

NETTED GEM.

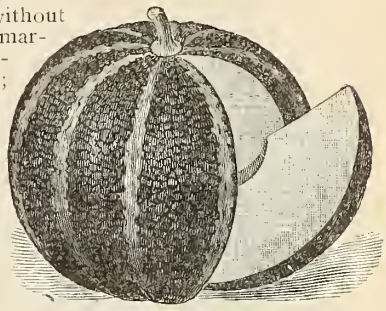


BALTIMORE NUTMEG.

JENNY LIND.—An extra early green-fleshed melon, and one of the sweetest flavor. Fruits small, globular, oval, little flattened, ribbed and covered with shallow netting. One of the best small melons for hotel and restaurant use. ¼ lb., 15c.; lb., 35c.

BALTIMORE NUTMEG.—This is without doubt the best Cantaloupe for table use and market purposes. It is slightly ribbed, beautiful, heavily netted, green skin, oval shape; flesh thick, green, very fine flavored and sweet; very prolific. ¼ lb., 15c.; lb., 40c.

EMERALD GEM.—Fruit small to medium-sized; globular, or slightly flattened at the ends; only slightly netted and ribbed. Skin deep green while young, becoming tinged with yellow as the fruit matures; flesh deep salmon yellow, thick; ripening close to the rind, and exceedingly high flavored. ¼ lb., 15c., 1 lb., 40c.



EMERALD GREEN.

NETTED GEM.—This has become one of the most popular of small or basket melons. The fruit is oval, slightly ribbed, densely covered with coarse netting. Flesh thick, green, very sweet and high flavored. We offer an exceptionally fine stock of this sort, the fruit being wonderfully uniform in shape and quality. ¼ lb., 15c.; lb., 40c.

HACKENSACK.—It is round, and of large size, well netted; flesh green and thick; delicious flavor. ¼ lb., 15c.; 1 lb., 40c.

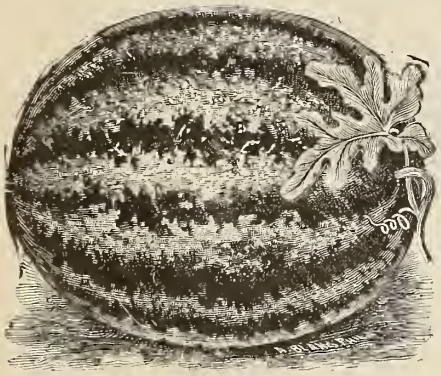
PAUL ROSE, OR PETOSKEY.—This new melon is a cross of the Osage with Netted Gem. It possesses the fine netting of the Gem, and averages about the same size; but owing to the great thickness of its beautiful salmon-colored flesh, will weigh at least one-third more than a Netted Gem of the same size. The size is much more convenient for packing in baskets than the Osage, while as a shipper and long keeper it surpasses all other red-fleshed melons. In some Western cities, where there is a good demand for red or salmon-fleshed varieties, the Paul Rose sells at double the price of other sorts. Market gardeners who grow red-fleshed melons will find the Paul Rose their most profitable sort, while for the home table nothing better could be desired or obtained. ¼ lb., 15c.; lb., 40c.

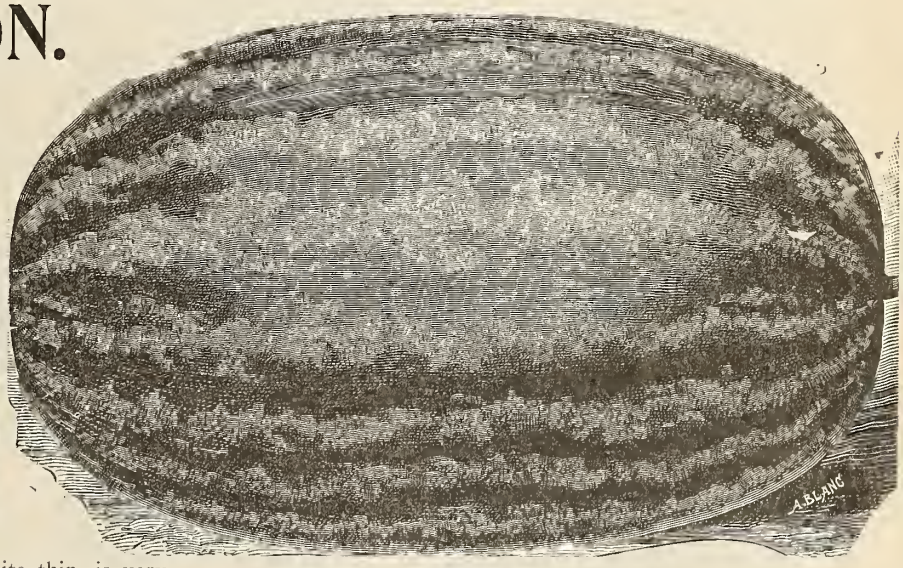
WATERMELON.

Wassermelone.

Cultivate exactly as for Cantaloupe, except that the hills should be eight to ten feet apart.

1 oz. for 30 hills; 3 or 4 lbs. to acre.





KOLB'S GEM.—The rind, though quite thin, is very tough, standing shipments long distances without breakage. The flesh is bright red and of good flavor. It is one of the largest, most productive and best-keeping melons grown. ¼ lb., 10c.; lb., 30c.

SWEETHEART.—It has no equal as a shipping melon. Vine vigorous and productive, ripening its fruit early. Fruit large, oval, very heavy, uniformly mottled light and very light green. Rind thin, but firm. Flesh bright red, firm, solid, but very tender, melting and sweet. Fruit retains its good quality for a long time after ripening. ¼ lb., 15c.; lb., 40c.

JONES'.—The color of the skin is solid green and flesh is a very bright red; very sweet and juicy; it grows to a very large size. ¼ lb., 15c.; lb., 40c.

FLORIDA FAVORITE.—A most delightful melon, of rare sweetness; red flesh, extending close up to the rind, which is hard, thin and mottled light and dark green. Ten days earlier than Kolb's Gem. ¼ lb., 15c.; 1 lb., 40c.

CUBAN QUEEN.—Fruit medium-sized to large; globular or oval; skin striped light and dark green in sharp contrast; rind medium thick, but stands shipment well; flesh bright red, solid, very crisp and sugary. ¼ lb., 15c.; lb., 40c.

NEW TRIUMPH.—This new melon is a cross betw en the Duke Jones and Kolb Gem, having the handsome dark green color of the former and the fine shipping qualities of the latter, but infinitely superior in flavor and grows much larger than either. ¼ lb., 15c.; lb., 50c.

ONIONS.

Zwiebel.

1 oz. to 100 feet of drill; 4 or 5 lbs. to acre.

Select in March or April, good soil, and mark shallow drills one foot apart, along which sow seed thickly; keep the bed free of weeds. In July the bulbs will be the size of marbles, when they are taken and spread thinly over the floor, securely protected from dampness and exposed to the air.

FULL SIZE ONION THE FIRST YEAR.

The seed we offer will grow full-sized Onions the first year. To do this, they should be sown as soon as possible in the Spring, no matter if the weather is cold, so the soil works up well. This gives them a good start ahead of the weeds, before dry, hot weather sets in. Sow thinly in drills one foot apart, and about one-fourth inch deep, in a rich, deep, well-worked, light, loamy soil.

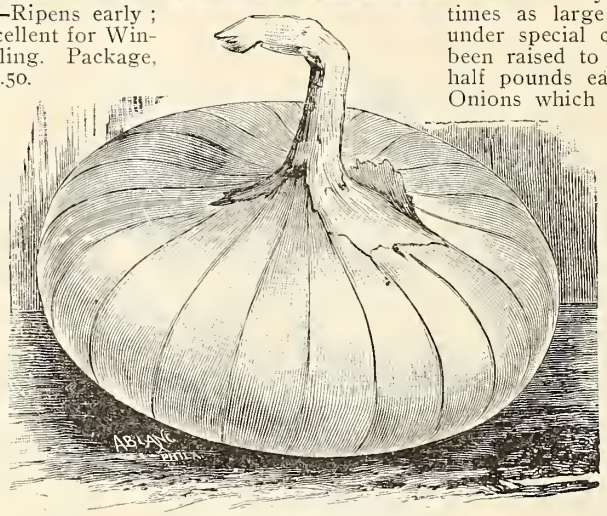
PRIZE TAKER.—The American-grown Prize-Taker seed we offer produces large, well-ripened bulbs the first season from seed; flesh white, crisp, and mild in flavor. The skin is thin, of a bright straw-yellow; form nearly a perfect globe. Under ordinary cultivation this variety will yield bulbs nearly three times as large as the Globe Danvers, while under special cultivation specimen bulbs have been raised to weigh from four to five and a half pounds each. These are the large mild Onions which are sold in small crates in the early Fall and are esteemed for their large size, handsome appearance, mild and delicate flavor. While the bulbs of this variety bottom well and ripen up quite firm and hard, they do not keep well after very cold weather sets in, owing to the tender character of the flesh, and we would advise marketing the Onions in the Fall or as soon after ripening as possible. Oz., 15c.; ¼ lb., 60c.; lb., $1.50.

WHITE SILVER SKIN.—Ripens early; large size; mild in flavor, and excellent for Winter use; much esteemed for pickling. Package, 5c.; oz., 15c.; ¼ lb., 50c.; lb., $1.50.

LARGE WHITE GLOBE.—Yields abundantly, producing very handsome, large, pure white, globe-shaped bulbs; flesh firm, finely grained; mild flavor. Oz., 20c.; ¼ lb., 50c.; lb., $1.50.

YELLOW GLOBE DANVER.—It is of a beautiful golden yellow color. Bulb medium size; quite early; bottom nearly flat; oval top with small neck; very prolific and a first-class keeper and shipper. 1 oz., 10c.; ¼ lb., 30c.; lb., $1.00.

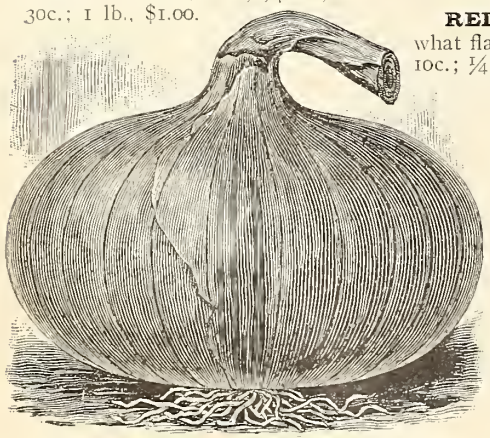
YELLOW DANVERS, FLAT.—A splendid Onion for either market or home use; more flat than the Globe Danvers. 1 oz., 10c.; ¼ lb., 30c.; 1 lb., $1.00.



WHITE SILVERSKIN.

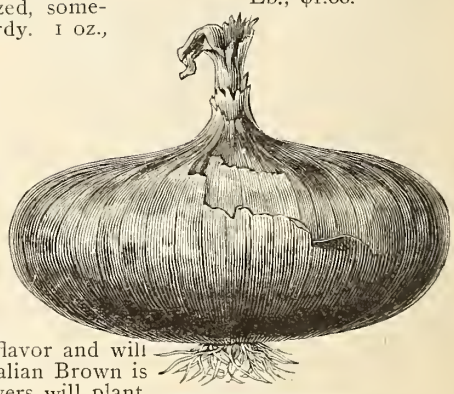
RED WETHERSFIELD.—Large sized, somewhat flattened; skin deep red and very hardy. 1 oz., 10c.; ¼ lb., 20c.; lb., 75c.

YELLOW STRASSBURG.—The most popular variety for sets grown. Skin bright yellow and of a beautiful round, plump shape.
1 oz., 15c. ¼ lb., 30c.
Lb., $1.00.

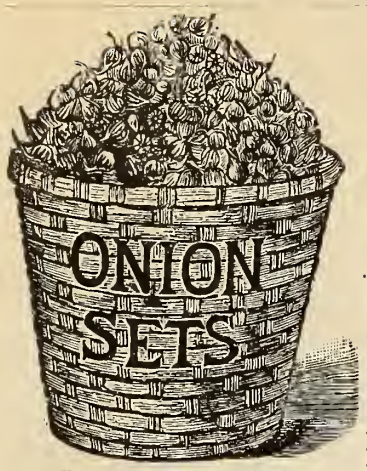


AUSTRALIAN BROWN.

AUSTRALIAN BROWN.
A valuable new long-keeping Onion. This new Onion, recently introduced into the United States, has met with wonderful success, and is pronounced the best keeper of all Onions. The shape and size are well shown in our illustration. The outside skin is of deep amber brown, distinct from all other Onions, extremely hard and firm, of fine flavor and will keep almost indefinitely. Australian Brown is the only Onion Australian growers will plant. We offer choice American-grown seed from the original importation. Oz., 15c.; ¼ lb., 40c.; lb., $1.50.



RED WETHERSFIELD.



Plant in drills 12 inches apart and 4 inches between the sets.

	Per Bus.
Choice Yellow Danver	$1.75
Choice Yellow Strassburg	1.75
Choice White Silverskin	2.00

Subject to Market Fluctuation.

CITRON

(Follow Directions as for Cantaloupe.)

Fruit round, handsome and small; used in making preserves only. Package, 5c., 10c.; lb., 60c.

OKRA, or GUMBO.

10 lbs. to the acre.

Sow in drills during April and May. Thin until the plants are 12 inches distant, and draw earth to the stems for support. The green pods are used in soup, stews, etc.

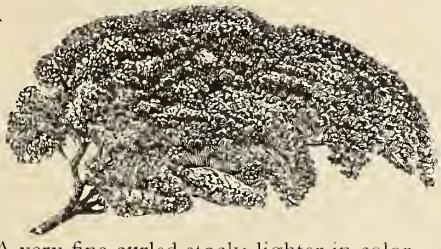
IMPROVED DWARF GREEN PROLIFIC, OR DENSITY.-A distinct variety, growing about 14 inches high. Grown in competition with the ordinary dwarf, it produced twice the number of pods, which are very smooth and beautiful. Packet, 5c.; ¼ lb., 15c.; lb., 40c.

WHITE VELVET. — Pods are large, perfectly smooth. Pkt., 5c.; ¼ lb., 15c.; lb., 40c.

PARSLEY.—Petersilie.

1 oz. to 150 feet of drill.

Sow in rows 1 foot apart and 1 inch apart. The seed is slow to germinate and should be given the most favorable conditions. A deep, rich, loamy soil is required. For Winter use, a few plants placed in a box in the cellar will give a supply.



EMERALD.—A very fine curled stock; lighter in color than any other, and very desirable for market and private use. Package, 5c.; ¼ lb., 20c.; lb., 50c.

TRIPLE CURLED.—A fine dwarf variety. Package, 5c.; ¼ lb., 20c.; lb., 50c.

CHAMPION MOSS CURLED.—Very beautiful, crimpled and curled. Package, 5c.; ¼ lb., 15c.; lb., 50c.

PARSNIP.—Pastinake.

1 oz. to 150 feet of drill.

Sow as early in the Spring as the weather will permit, in drills fifteen inches apart and half an inch deep, in rich, well-manured ground, well dug. Cultivate similar to Carrots, and thin out to six inches apart in the rows to creep. To keep well in the ground over Winter, draw a little earth over the tops.

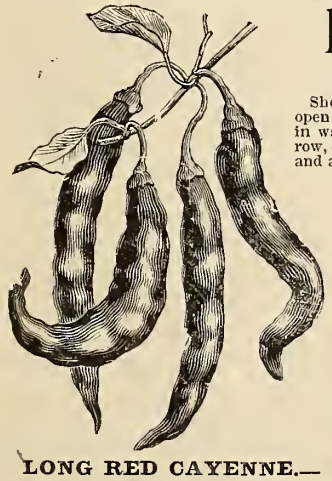
HOLLOW CROWN, OR LARGE SUGAR, The best variety in cultivation for general use; roots white, smooth, of intermediate length, sugary, of excellent flavor. Package, 5c.; ¼ lb., 15c.; 1 lb., 40c.

GUERNSEY.—A favorite variety. ¼ lb., 15c.; lb., 40c.

PEPPERS.—Pfeffer.

1 oz. to 1500 plants.

Should be sown in hot-beds early in April and transplanted in open ground as soon as the weather permits. The plant should be set in warm, mellow soil, in drills 2 feet apart, and about 2 feet in the row, or may be sown in the open ground, soon as the weather permits and all danger of frost is over.



LONG RED CAYENNE.— Pods small, cone-shaped, exceedingly acrid; used for pickles and for making pepper sauce. Oz., 20c.; ¼ lb., 50c.

MAMMOTH RUBY KING. Of immense size and the mildest of all varieties. Ordinarily they grow four to six inches long by three-fourths of an inch thick. When ripe they are of a beautiful, bright, ruby red color. The plant is of a sturdy, bushy habit, and each plant produces from six to twelve handsome fruits. They should not be grown near the hot varieties, or they will partake of their fiery nature. Package, 10c.; oz., 25c.; ¼ lb., 60c.

BULL NOSE, OR BELL.—An early variety, of mild flavor; a favorite for pickling, and use in the natural state. Packages, 5c. and 10c.; oz., 20c.; ¼ lb., 50c.

SWEET MOUNTAIN.—Similar to Bull Nose, but large and milder in flavor, used to make stuffed "Mango" pickles. Package, 5c. and 10c.; oz., 20c.; ¼ lb., 50c.

CHILI, SMALL. — Red conical pod about two inches long; very hot; fine for pepper sauce and seasoning. Oz., 20c.; ¼ lb., 50c.

CHERRY RED.—Fruit small, round; color, rich scarlet; very hot. Package, 5c. and 10c.; oz., 20c.; ¼ lb., 50c.; lb., $2.00.

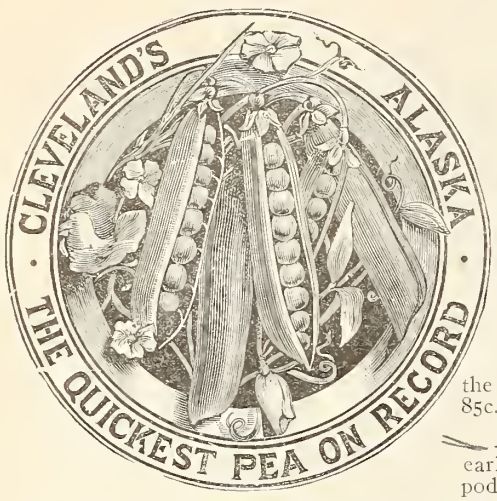
SEEDS MAILED FREE ON RECEIPT OF PRICE.

PEAS.

Erbsen.

1½ bushels to the acre.

Peas for an early crop should be planted in the Spring, soon as the ground can be worked, in light, rich soil. For private use sow in double rows, eighteen inches apart, and three inches apart in the rows. For market, in single rows one inch apart and three inches deep, and the rows from two to three feet apart.



ALASKA CLEVELAND'S SEALED STOCK.—The earliest pea known; very uniform in growth and ripening; 90 per cent. of the pods can be gathered at the first picking. The dark green color of the pods makes it extremely desirable, as it can be carried long distances without losing color; grows two feet high; of the very finest quality. Quart, 15c.; peck, 85c.; bus., $3.25.

ALASKA.—A standard variety; very early; twenty inches high; dark green pods. Peck, 80c.; bus., $3.00.

RURAL NEW YORKER.

CLEVELAND'S FIRST BEST SEALED.—This pea is the result of years of the most careful selection; height, two feet and a half; large pods; very prolific and sure cropper. Quart, 15c.; peck, 75c.; bus., $2.75.

FIRST AND BEST.—One of the earliest varieties; about two feet high. Quart, 15c.; peck, 80c.; bus., $2.50.

RURAL NEW YORKER. — Cleveland's Sealed. Height, two and a half feet; seed white; slightly dented, of vigorous habit, vine sending out two or more lateral branches. The earliest pea known to the trade except Cleveland's Sealed Alaska. Pods of fine shape; larger and better filled than any other extra early, containing from six to nine peas of fine quality; very uniform in growth and ripening. Quart, 15c.; peck, 75c.; bus., $2.50.

EARLY MAY.—Early fine flavor and very productive. Quart, 15c.; peck, 75c.; bus., $2.50.

TRIUMPH.—An early variety, very popular in many sections; about two and a half feet high. Quart, 15c.; peck, 75c.; bus., $2.50.

Wrinkled Varieties.

AMERICAN WONDER.—This is a dwarf variety, and leads all others in point of earliness, growing about ten inches high, and produces a profusion of good sized, well-filled pods, with finest flavored peas. Quart, 20c.; peck, 90c.; bus., $3.00.

M'LEAN'S LITTLE GEM.—Dwarf, green, wrinkled variety; twelve to fourteen inches high; prolific; very fine flavor. Quart, 20c.; peck, 90c.; bus., $3.00.

DAISY, OR DWARF TELEPHONE (New.)—This new variety is a second early, of robust but remarkably even growth. The vines are from sixteen to eighteen inches high, needing no brush.. The self-supporting, stout plants are fairly loaded with large, bright green pods, which are always well filled. Each pod contains seven to nine large peas of a light bright green color, tender and well flavored. Quart, 25c.; peck, $1.25; bus., $4.00.

ADVANCER.—About the best second early on the list; a green wrinkled variety about two and a half feet high; long pods, abundantly prolific, and well filled. Quart, 20c.; peck, 75c.; bus., $3.00.

CHAMPION OF ENGLAND.—A universal favorite, delicious flavor, profuse bearer of large pods, filled well with large green wrinkled peas; height about four feet. Quart, 20c.; peck, 60c.; bus., $2.50.

RURAL NEW YORKER.—Very early and prolific; grown after the methods of the originator. Peck, 75c.; bus., $2.50.

HEROINE.—A wrinkled variety; productive and of a very superior flavor; height, two feet. Quart, 20c.; peck, 80c.; bus., $3.50.

TELEPHONE.—A tall, wrinkled marrow, enormously productive and of best quality. It is a strong grower, averaging eighteen pods to the stalk. The pods are of a large size. A desirable sort for the family garden. Quart, 20c.; peck, 80c.; bus., $3.50.

AMERICAN CHAMPION.—One of the largest and most productive peas grown. Pods generally grow in pairs, and are well filled with nine to twelve large peas of excellent flavor. Vine is of branching habit; four and a half feet. Quart, 20c.; peck, 90c.; bus., $3.00.

EVERBEARING.—A splendid bearing variety, maturing soon after June. Vine about eighteen inches high, and very regular; peas wrinkled; large and very fine flavored. Quart, 20c.; peck, 75c.; bus., $2.50.

Second Earlies and Late Varieties.

FRENCH CANNER (Cleveland's).—It is very prolific, bearing an abundance of long pods, containing from seven to nine peas, of excellent flavor. Height, three and a half feet. Quart, 10c.; peck, 50c.; bus., $1.75.

IMPR. SUGAR MARROWFAT.—This fine pea has given wonderful satisfaction to all who have planted it. It grows about two feet high, and bears enormous, handsome pods, which are completely filled with large, deliciously flavored deep green peas. It is undoubtedly the most productive pea offered. Quart, 15c.; peck, 60c.; bus., $1.75.

WHITE MARROWFAT (Royal Dwarf).—This is an old standard variety; dwarf. Pea large and prolific. Quart, 15c.; peck, 60c.; bus., $1.75.

BLACK-EYED MARROWFAT.—Very hardy, similar to White Marrowfat, in all points, except it has a dark eye. Quart, 10c.; peck, 50c.; bus., $1.75.

Edible Podded Sorts.

MELTING SUGAR.—Grows to a height of five feet; bears a profusion of large, broad pods, which are so brittle that they snap without any string. It should be used much as a wax bean. The pods, when cooked, are very sweet and tender. Quart, 40c.

DWARF SUGAR.—Grows about two feet high; productive; seeds large, gray and shriveled; pods broad, flat and contain five or six peas. Quart, 40c.

RADISH.—Rettig.

1 oz. for 100 feet of drill. 9 lbs. to an acre.

For early use sow in the Spring as soon as the ground can be worked, in drills 6 to 10 inches apart, covering seed half an inch deep; thin plants an inch apart in the row. As the roots are more succulent and tender when grown quickly, a rich, light soil should be preferred, and frequent watering in dry weather will be found beneficial. For a succession, sow every two weeks.

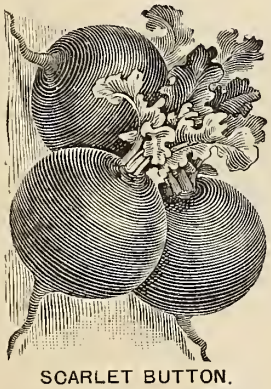
SCARLET GLOBE.

SCARLET GLOBE.—One of the earliest and best sorts for forcing; its color is very handsome; flavor mild, crisp and juicy; stands a great amount of heat, without becoming pithy. Package, 5c.; ¼ lb., 15c.; lb., 40c.

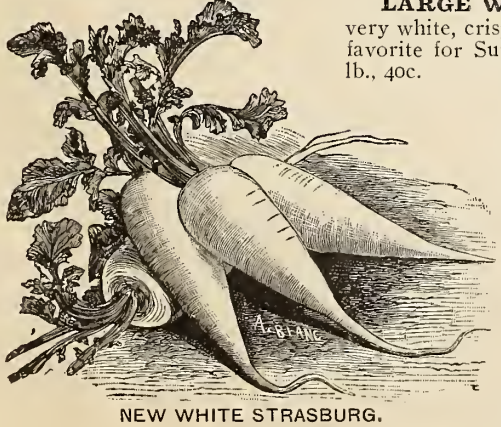
EARLY SCARLET TURNIP, WHITE TIPPED.—One of the handsomest of the turnip radishes and a great favorite in many large markets, for early planting outdoors. It is but little later than the White Tipped, forcing, and will give entire satisfaction where *extreme* earliness is not the primary object. Roots slightly flattened on the under side, color very deep scarlet with a white tip; flesh white and of the best quality. ¼ lb., 15c.; lb., 40c.

EARLY ROUND DARK RED (New.)—The shape is the same as Scarlet Globe, differs only in the skin, being darker; very highly flavored; tender, juicy, and brittle; very valuable for forcing. Package, 5c.; ¼ lb., 20c.; lb., 50c.

YELLOW GLOBE.



SCARLET BUTTON.



NEW WHITE STRASBURG.

EARLY RED TURNIP.—Turnip shape; red skin; fine flavor. Package, 5c.; ¼ lb., 15c.; lb., 40c.

FRENCH BREAKFAST.—Color is a scarlet-rose, shading into a waxy-white at the top, quick growth, mild and tender; good for forcing. Package, 5c.; ¼ lb., 15c.; lb., 50c.

EARLY WHITE TURNIP.—Pure white in color, with a small top; flesh pure white and tender. Package, 5c.; ¼ lb., 10c.; lb., 40c.

GOLDEN GLOBE.—Very early; grows to a good size; stands the heat well; very popular with market gardeners; a beautiful golden yellow; flesh crisp and tender. Package, 5c.; ¼ lb., 15c.; lb., 50c.

LONG SCARLET.—Short top, long deep scarlet roots; crisp, fine flavor. Package, 5c.; ¼ lb., 15c.; lb., 30c.

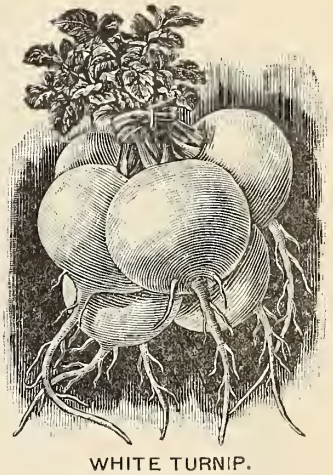
PEARL FORCING.—This new variety is a cross between Woods' Early France and White Strasburg. The color is a pearl white, with a fine waxy appearance; very firm and solid. They will remain in good condition longer than any other extra early variety. Oz., 15c.; ¼ lb., 20c.; lb., 50c.

WHITE STUTTGART.—Quick growing and therefore very early. Of the largest size, and both flesh and skin are pure white; quality fine; firm and brittle; can be pulled for use at any stage. Package, 5c.; ¼ lb., 15c.; lb., 40c.

IMPROVED CHARTIER.—The color at top is crimson, running into pink at middle, and from thence downward is pure waxy-white. It is of a very quick growth, and ready for use nearly as early as Long Scarlet. Exceedingly tender and crisp. Package, 5c.; ¼ lb., 20c.; lb., 50c.

NEW WHITE STRASBURG.—A very desirable Summer variety; a favorite by our market gardeners; skin and flesh both white. It is excellent quality and a quick grower. Package, 5c.; ¼ lb., 15c.; lb., 40c.

LARGE WHITE SUMMER.—Round, smooth, very white, crisp and tender. The market gardeners' favorite for Summer use. Package, 5c.; ¼ lb., 15c.; lb., 40c.



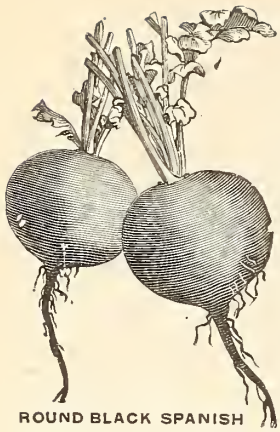
WHITE TURNIP.

IMPROVED CHARTIER.

LONG BRIGHTEST SCARLET, WHITE TIPPED.—This is the brightest and handsomest colored scarlet radish known, and a decided improvement in earliness and color over other varieties of this class. It makes roots fit for use in about twenty-five days from time of planting, and they continue in good condition until they are full grown, when they are as large as the Woods' Early Frame. It has a small top and no tendency to neckiness. Package, 5c.; ¼ lb., 15c.; lb., 40c.

LONG WHITE VIENNA, OR LADY FINGER RADISH.—This is the finest Long White Radish in cultivation. It is most beautiful in shape, white in color; both skin and flesh are pure snow-white; crisp, brittle, and of rapid growth. Highly recommended. Package, 5c.; ¼ lb., 15c.; lb., 50c.

WINTER VARIETIES.



ROUND BLACK SPANISH

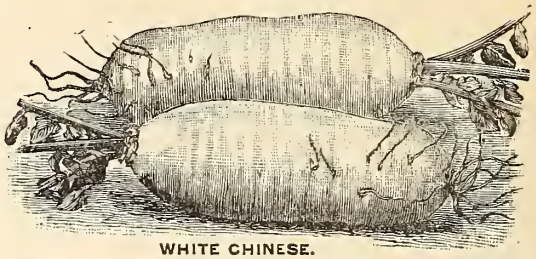
ROUND BLACK SPANISH.—Like the Long White Spanish, except in shape. Package, 5c.; ¼ lb., 15c.; lb., 40c.

CHINESE ROSE.—A splendid rose-red variety that keeps during Winter; tempting flavor and very crisp. Package, 5c.; ¼ lb., 15c.; lb., 40c.

LONG WHITE SPANISH.—This variety is of a snow-white color, similar to the White Strasburg in shape, but rather more stump-rooted. Package, 5c.; ¼ lb., 15c.; lb., 50c.

LONG BLACK SPANISH,—Black skin; white flesh; very firm and solid; good keeper; grows long and large. ¼ lb., 15c.; lb., 40c.

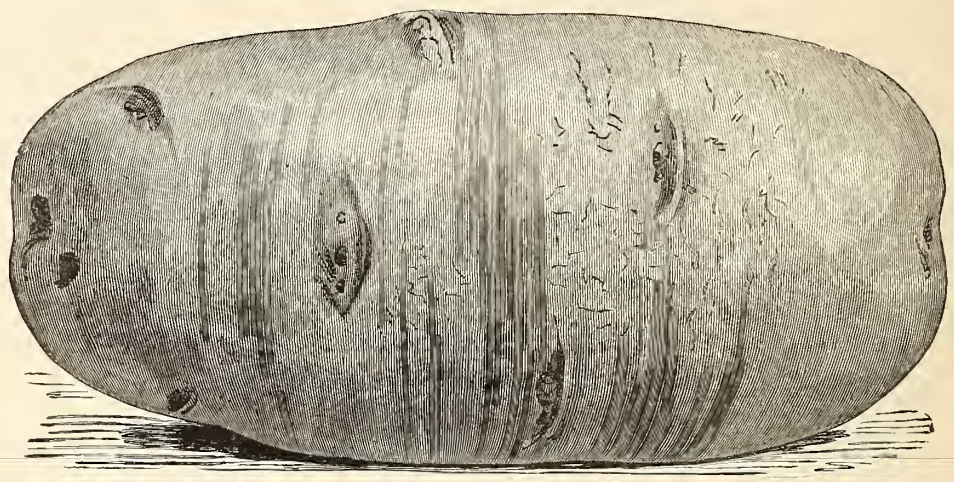
WHITE CHINESE, OR NEW CELESTIAL.—Half-long; of a pure white, with delicate, crisp flesh. ¼ lb., 15c.; lb., 50c.



WHITE CHINESE.

Potatoes.

The Leading Varieties of SEED POTATOES at the Lowest Possible Prices.



PUMPKINS.—Kürbis.

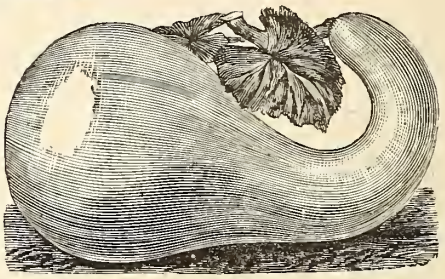
1 oz. for 15 hills; 1 lb. to the acre.

Cultivate similar to Squash. They are generally raised in fields of Corn or Potatoes, in May or early June, in hills eight feet apart each way.

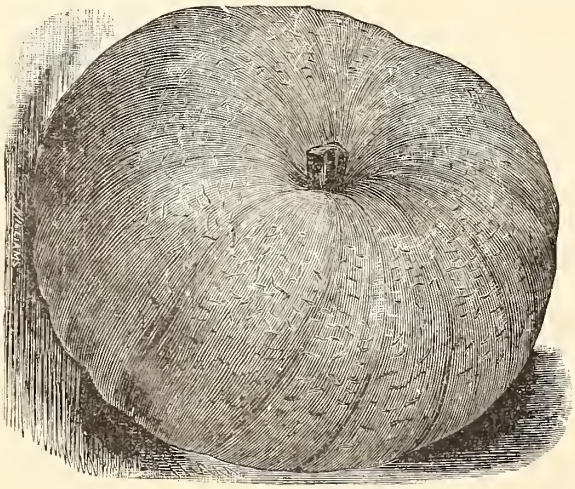
CONNECTICUT FIELD.—One of the best for field culture; can be grown with corn; largely used for stock for Winter feeding. Quart, 20c.; bus., $3.00.

CUSHAW.—A very prolific variety, resembling in form the Winter Crook-neck Squash, although growing to a much larger size; color, light cream. ¼ lb., 15c.; lb., 50c.

KING OF MAMMOTHS.—This giant variety grows to enormous size; a deep yellow, glossy color; splendid to grow for stock and exhibition purposes. ¼ lb., 15c.; lb., 50c.



CUSHAW.



KING OF MAMMOTHS.

JAPANESE PIE.— Crook-neck variety, with extremely small seed cavity; nearly all solid meat; quality extra fine; seeds distinct in appearance, being curiously sculptured in the manner of Chinese letters. Productive; ripens early; medium size; good keeper. ¼ lb., 20c.; lb., 60c.

SWEET POTATO.—Excellent for pies; pear-shaped; medium size; flesh and skin creamy white; fine-grained, sweet and delicious; first-rate keeper. ¼ lb., 20c.; lb., 50c.

Rhubarb.—Rhubarbar.

Sow in April or May, in drills one foot apart; when three or four inches high, thin out in rows six to ten inches apart. Transplant the ensuing Fall or Spring in rich soil. Set out the roots three to four feet apart each way; the following Spring it will be fit for use.

Package, 5c.; oz., 20c.; lb., $1.50.

SALSIFY, OR OYSTER PLANT.

Bocksbart.

1 oz. for 50 feet of drill.

Requires a well-enriched, mellow soil, which, previous to sowing the seeds, should be stirred to a depth of eighteen inches. Sow early in Spring, in drills, 15 inches apart; cover the seeds with fine soil, one and a half inches in depth, and when the plants are strong enough thin out to six inches apart. As the leaves resemble grass, be careful they are not mistaken whilst weeding.

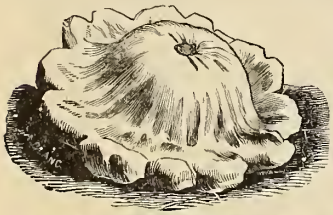
LARGE WHITE.—Package, 5c.; ¼ lb., 25c.; lb., 75c.

MAMMOTH SANDWICH ISLAND. — A new and improved type, producing roots of nearly double the size and weight of the old varieties; mild and delicately flavored. Package, 5c.; ¼ lb., 25c.; lb., 80c.

SQUASH. —Kürbis.

1 oz. of bush sorts to 40 hills or lgs. seeded 15 hills.
2 lbs. of bush sorts to acre or lgs. seeded 34 to acre.

Squashes, like all other vines, are partial to a light, dry, rich soil. Plant the running varieties in hills ten feet apart each way; thin out to three plants in a hill. Cultivate frequently until the vines commence running, after which do not work the soil deep. Use Paris Green to destroy bugs, as with Cucumbers. Plant Bush Squashes in hills five feet apart each way; thin out to four plants in a hill.



EARLY WHITE BUSH SCALLOPED. The well-known Summer Squash; very productive; pure white; to be used when young and tender. Package, 5c.; ¼ lb., 10c.; lb., 30c.

SUMMER CROOKNECK.—A beautiful bright yellow, bears all Summer, and commands good prices; very desirable for market and private use. Package, 5c.; ¼ lb., 15c.; lb., 40c.

HUBBARD.—A well-known Winter variety, with very hard, firm shell; fine grain; sweet and rich flavor, and excellent for table use; a splendid keeper. Package, 5c.; ¼ lb., 15c.; lb., 50c.

WINTER CROOKNECK.—Flesh red; of fine flavor and good keeper. Package, 5c.; ¼ lb., 15c.; lb., 40c.

BOSTON MARROW.—A Fall and Winter variety; regarded very highly in the markets; oval form pointed, thin rind, fine grain, salmon-colored flesh; remarkably sweet and delicious; keeps well in Winter and will boil dry as mealy potato. ¼ lb., 15c.; lb., 40c.

EUREKA SQUASH.—The flesh is very thick and fine-grained, and either steamed or boiled is of fine quality; and when baked the Eureka is perfection itself. Its attractive appearance is also a strong point in its favor, being oblong or egg-shaped, tapering from the centre to the poles, and a little inclined to be pointed at the blossom end. The outside color is a light grayish green; very handsome. ¼ lb., 15c.; lb., 50c.

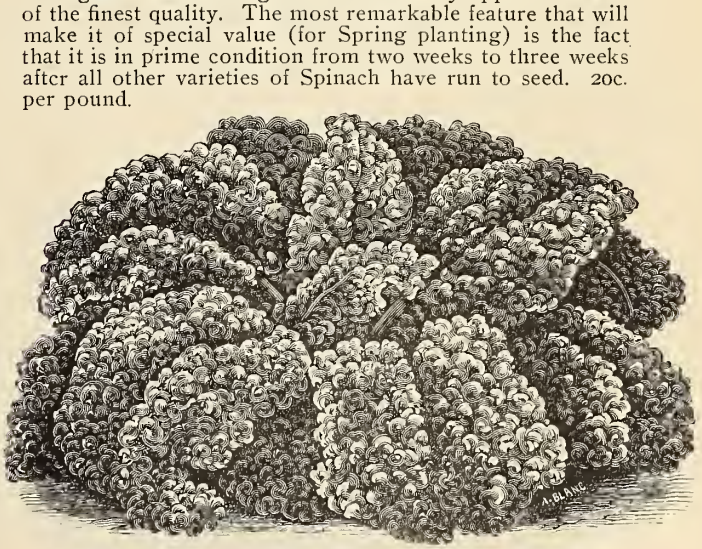
SPINACH. —Spinat.

1 oz. to 100 feet of drill; 10 to 12 lbs. for an acre.

For Summer use, sow in Spring in drills eight inches to a foot apart, covering the seed one inch deep. Select rich soil, and manure liberally. A succession may be obtained by sowing at intervals of two weeks through the season. For early Spring sow in August.

LONG STANDING.—The best for Spring sowing, because it will stand longer than any other variety before running to seed. Has large, thick, fleshy leaves, produced in great abundance. Package, 5c.; lb., 15c.

NEW VICTORIA.—The foliage is heavy, the broad, dark green leaves being of the true Savoy appearance and of the finest quality. The most remarkable feature that will make it of special value (for Spring planting) is the fact that it is in prime condition from two weeks to three weeks after all other varieties of Spinach have run to seed. 20c. per pound.



AMERICAN BLOOMINGDALE CURLED SAVOY. The most popular sort with market gardeners and truckers for Fall sowing; grows very large and the leaves are wrinkled like Savoy Cabbage. Package, 5c.; lb., 15c.

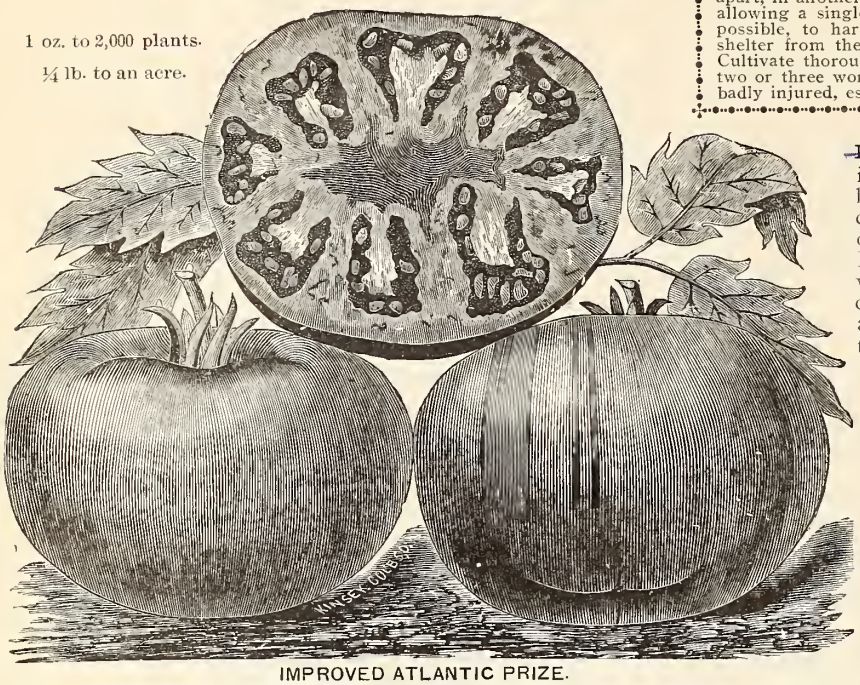
IMPROVED THICK LEAF (Viroflay).—A decided improvement on Round Summer. Has very large, thick leaves of great substance. ¼ lb., 10c.; lb., 20c.

TOMATOES.

1 oz. to 2,000 plants.

¼ lb. to an acre.

For early, the seed should be sown in hot-bed about the first week in March, in drills five inches apart, and half an inch deep. Later sowings may be made until the last of April. When the plants are three or four inches high they should be set out four or five inches apart, in another hot-bed or cold frame, or removed into small pots, allowing a single plant to the pot. Expose to the air as much as possible, to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as the vines will permit, but the last two or three workings should be very shallow, or the crop may be badly injured, especially if the cultivator is run too near the plants.



IMPROVED ATLANTIC PRIZE.

IMPROVED ATLANTIC PRIZE TOMATO.—Great improvements have been made in this distinctive early Tomato, which has been lacking in size and symmetry. This is all changed now, and instead of the small, rough, deeply corrugated fruits of the "Hundred Day" type, we have in the Atlantic Prize a variety-bearing fruit which in size, shape, color, solidity and quality, will compare favorably with the later kinds, and by repeated trials we have demonstrated that it ripens up a large proportion of its crop the earliest of any variety. We do not hesitate to pronounce it the largest, best-flavored and brightest-colored red extra early Tomato. Vine small, with few leaves, very hardy, bearing the fruit low down on the stem and in enormous clusters, which ripen all together. Those whose trade demands that they have a large, good-flavored, *very early* fruit will find this variety to be just what they want. ¼ lb., 50c.; lb., $1.50.

BEAUTY (Grown from Livingston Stock).—Of decided merit, large, round, smooth, solid, and of beautiful colors. ¼ lb., 40c.; lb., $1.25.

DWARF CHAMPION.—It is well adapted for forcing in vegetable houses, because of its dwarf and compact growth, the plants growing stiff and upright, with stiff, jointed stems. In form and color they resemble the Acme. It matures the fruit very early and productive. Oz., 20c.; ¼ lb., 70c.; lb., $2.00.

ARISTOCRAT.—This new variety resembles the Dwarf Champion in habit and growth; is of good size, solid, smooth, productive, of fine flavor, and a handsome color. Packages, 5c. and 10c.; oz., 25c.; ¼ lb., 65c.; lb., $2.25.

IMPROVED ACME.—Very early; of medium size; perfectly smooth; very solid and a great bearer. Crimson color, with pinkish cast. Package, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

LIVINGSTON BEAUTY (From the Originator).—A decided favorite for either home, market or shipping purposes, being early, hardy; a strong grower; productive, large size; always smooth; perfect in shape, of fine quality. The color is a very glossy crimson. It is very firm fleshed; has a tough skin and but few seeds. It seldom cracks after a rain, like many other sorts; very uniform, and bears until frost. Package, 5c.; oz., 20c.; ¼ lb., 65c.; lb., $2.00.

PARAGON (Grown from Livingston's Stock).—Large, symmetrical and solid. 1 oz., 15c.; ¼ lb., 40c.; lb., $1.25.

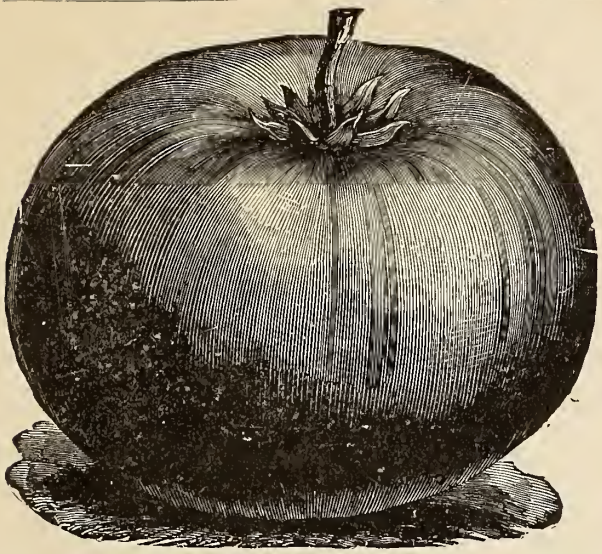
FAVORITE.—Grown by experienced seed growers from Livingston stock. 1 oz., 15c.; ¼ lb., 40c.; lb., $1.25.

LIVINGSTON'S STONE (From the Originator).—This variety has obtained great favor with canners and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. Package, 5c.; oz., 20c.; ¼ lb., 60c.; lb., $2.00.

STONE (Grown from Livingston Stock).—A large, perfectly smooth Tomato, with bright scarlet color. Package, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

LIVINGSTON'S PARAGON (From the Originator). Color of skin, deep red; flesh solid and highly flavored. It is larger than several of the standard varieties, and grows large fruit up till frost. Oz., 20c.; ¼ lb., 65c.; lb., $2.00.

THE MATCHLESS.—The vines are of strong, vigorous growth, well set with fruit; the foliage is very rich dark green in color. They are entirely free from core, of a very rich cardinal-red color, and are not liable to crack from wet weather. The fruits are of the largest size, and this is maintained throughout the season, the healthy growth of foliage continuing until killed by frost. Oz., 15c.; ¼ lb., 40c.; lb., $1.25.



LIVINGSTON'S PERFECTION (From the Originator).—An improved Acme with red skin, somewhat larger; fully as early; has more solid flesh; and fewer seeds, and produces more and larger fruit at the close of the season. Invariably smooth and of handsome blood-red color. Package, 5c.; oz., 20c.; ¼ lb., 65c.; lb., $2.00.

PERFECTION (Grown from Livingston Stock).—Packages, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

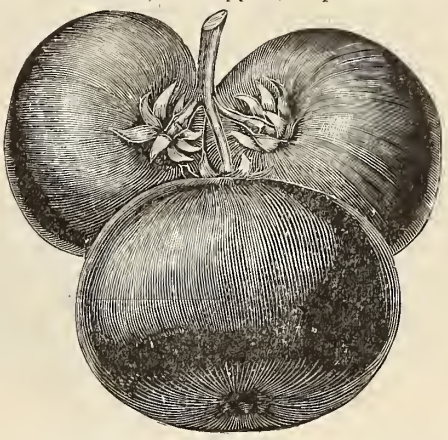
PRIZETAKER.—A splendid Tomato. Package, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

LIVINGSTON'S FAVORITE.—The canner's favorite and one of the best and largest perfect-shaped red Tomatoes in cultivation. Ripens evenly and as early as any other good red sort, holding its size to the end of the season; free from cracks, and is not apt to rot at the blossom end; very prolific, good flavor, few seeds, flesh solid, bears shipping long distances. It is used almost exclusively in the extensive cannery sections of Maryland, and has been generally grown for years for the canner's trade throughout the United States. Grower's own packets. ¼ lb., 60c.; lb., $2.

LIVINGSTON'S BUCKEYE STATE.—The largest smooth Tomato known; bears in clusters much the same as Livingston Beauty, but nearly twice the size. Maturing for main crop. 1 oz., 20c.; ¼ lb., 60c.; 1 lb., $2.00.

MARYLAND PRIDE.

LIVINGSTON'S HONOR BRIGHT.—Its chief peculiarities are its solidity, long-keeping qualities after being picked, and the remarkable changes of color the fruit undergoes during growing and ripening. These changes of color provide an easily learned guide to the proper time of picking for long-distance shipping. For home market it is picked just as any other sort. The color of the fruit, when fully ripe, is a rich, bright red, but before reaching this stage it undergoes several interesting changes. First it is light green, then an attractive waxy white, then lemon, changing to a rich red. One of the most attractive and handsome varieties grown, and well adapted for home use or market, and on account of its solidity and long-keeping qualities it is especially recommended for shipping. It can be shipped in barrels, like apples, if picked in the early



stage of ripening, and will keep from one to four weeks if stored in a cool place. The skin seems to be crack-proof, as the past season we had two crops, one on rich, highly manured upland, the other on rich river bottom land—and not a single Tomato was found with a skin-crack, even after the exceedingly heavy rains during the harvest. It never rots, at least the past three seasons it has shown no inclination to rot. The clusters bear three to five large perfect fruits, beautiful as the Paragon, and ripen evenly from the blossom end to the stem. Its season is long, and a heavier cropper hard to find. Its table qualities are superb; the flesh, when ripe, being tender and melting; not hard, as one might conclude from the solidity of the uncut fruit. Those who grow it will find it a valuable acquisition, and will be surprised at its productiveness and *distinctness* from all other known sorts. Oz., 25c.; ¼ lb., 60c.; lb., $2.00.

MARYLAND PRIDE.—Since our introduction of it in 1895, it has been grown with great success by canners and market gardeners, who pronounce it "the very best second early and main crop Tomato they have ever grown." The fruit is of a beautiful crimson color, magnificent size and handsome, smooth shape. The vines grow vigorous, and produce abundantly until killed by the frost. Package, 5c.; oz., 20c.; ¼ lb., 60c.; lb., $2.00.

LIVINGSTON'S MAGNUS.—This very distinct and most promising new variety, of the color of Beauty and Acme, is our latest addition to the Tomato family. It is thicker, heavier, and more solid than either of the above, making it easily the most handsome sort in cultivation. It is unsurpassed in quality and in the production of fine, large fruits. While perfectly adapted to main crop planting, yet it matures so quickly that it will take first rank for early market. The form is perfect, uniform, large and attractive. Flesh is very firm. It is a robust grower, with short joints, setting its clusters closer together than most varieties, and is therefore a heavy cropper. The fruits are usually very deep from stem to blossom end, many of them being almost globe-shaped. It ripens evenly, does not crack about the stem, and the flavor is most desirable. Oz., 25c.; ¼ lb., 90c.

B. B. (BRINTON'S BEST).—Package, 5c.; oz., 15c.; ¼ lb., 60c.; lb., $1.25.

PEAR-SHAPED YELLOW.—Used for preserves and pickles; very prolific. Package, 5c.; 1 oz., 20c.; ¼ lb., 50c.

NEW QUEEN.

NEW QUEEN.—It is solid, very smooth; free from ridges; large in size; ripens evenly; of a firm, crimson color; a favorite for canners. Package, 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.25.

CRIMSON CUSHION (New).—The originator claims for this new variety the earliest large Tomato known. The color is of a brilliant scarlet, untinged with purple; ripens up almost completely to the stem; very solid, and nearly seedless, requiring from ten to twelve bushels of ripe fruit to produce one pound of seed. Package, 10c.; oz., 30c.

PEAR-SHAPED RED.—Similar to the above, except in color. Package, 5c.; oz., 20c.; ¼ lb., 50c.

HERBS.—Gewürz.

	Packet	Ounce.
ANISE	5c.	20c.
BASIL	5c.	20c.
BORAGE	5c.	20c.
BENE	5c.	20c.
CORIANDER	5c.	10c.
DILL	5c.	10c.
LAVENDER	5c.	15c.
MARJORAM	5c.	20c.
SAGE	5c.	25c.
THYME	5c.	40c.

CLOVER SEED.

RED CLOVER, MEDIUM	$——
RED CLOVER, MAMMOTH	——
ALSIKE, or HYBRID CLOVER	——
LUCERN, or ALFALA	——
WHITE DUTCH	——
CRIMSON, or SCARLET ITALIAN CLOVER	——
SANIFONI, or ASPARSETTA	——

GRASS SEED.

KENTUCKY BLUE GRASS	$——
RED TOP, or HERD GRASS	——
TIMOTHY, ORCHARD	——
SWEET VERNAL GRASS	——
RYE GRASS	——
HUNGARIAN GRASS	——
GERMAN MILLET	——
AMERICAN MILLET	——

TURNIPS.

1 lb. to the acre; 1 oz. to 150 feet of drill.

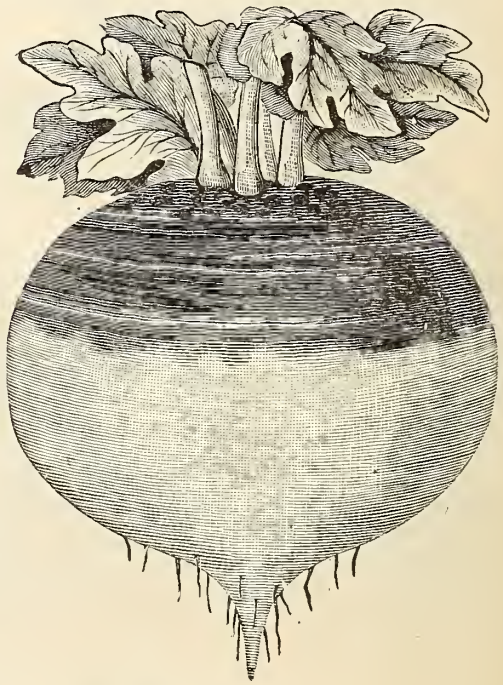
For Spring crop sow early in April. For the Fall and main crop, from the middle of July to the last of August, in drills fourteen inches apart and thin to six inches. Always sow just before a rain, if possible.

EARLY FLAT DUTCH.—A standard variety, good size, pure white; small top, few leaves and very sweet. ¼ lb., 10c.; lb., 25c.

PURPLE TOP, STRAP-LEAVED.—The well-known popular variety, either for family or market use; large size, white, purple above ground; flesh fine-grained. ¼ lb., 10c.; lb., 25c.

PURPLE TOP WHITE GLOBE.—A variety of decided merit. Globular shape, very handsome, and of superior quality, either for the table or stock. It is a heavy producer, early of rapid growth, and an excellent keeper. ¼ lb., 10c.; lb., 25c.

YELLOW GLOBE.—One of the best for general crop; flesh firm and sweet; grows to a large size; splendid for table or stock, and keeps well until late in the Spring. ¼ lb., 10c.; lb., 25c.



Cow, or Southern Peas.

There is no surer or cheaper means of improving and increasing the productiveness of our soils than by sowing the Cow Pea. It makes an enormous growth, enabling the farmer to put plenty of nitrogenous vegetable matter into the soil at a small cost, and so very largely enables him to dispense with the use of nitrogenous commercial fertilizers, and has the power to extract this costly nitrogen from the atmosphere and to store the same in the vines and roots so that if the crop is cut off, the land is still enriched and its condition improved. From five to nine tons of green fodder per acre have been produced by the Cow Peas. To grow for hay they are most valuable. The bacon made from hogs fed on the dry peas is much sweeter and more solid, and the fat will not run out in cooking nearly so much as when fed on corn. For ensilage they are unsurpassed. When it is desired to turn the whole crop under, as a soil improver, it is better to do so after the vines are partly dead. A good picking of the dried peas can be made before plowing under, if desired. Cow Peas can be sown in May or June, at the rate of one to one and a half bushels per acre.

BLACK.—This variety is quick to mature. and well adapted for late planting and Northern sections; it is a vigorous grower and great yielder. Peck, 50c.

BLACK EYE.—A prolific vine-growing variety of merit; seed often sold for table use.

Market price on Cow Peas changes often. Write for price on bushel or over when ready to buy.

Kaffir Corn.

One of the best forage plants. The heads contain small white seeds, which make an excellent flour. The heads are greedily eaten by horses and cattle and make splendid food for poultry, fed either in the grain or ground and cooked. The foliage and stalks make excellent forage. Cultivate the same as common Corn, requiring four or five pounds of seed per acre.

100 lbs., $3.00.

Dwarf Essex Rape.

This plant is extensively grown for forage, especially for sheep, and for green manure, for which purpose there is perhaps no plant better adapted where a quick, rank growth is desired. Farmers who raise much stock and desire to get young cattle, sheep or lambs into favorable condition can do it most cheaply by growing this Rape. Prepare the ground as for Turnips and sow in June or July with a Turnip drill, in rows two and a half feet apart at the rate of two and a half pounds of seed per acre.

Our stock is the true Essex Dwarf, and not the worthless annual.

100 lbs., $6.00.

Evergreen Lawn Grass.

40 lbs. to the acre. 1 lb. to 250 square feet.

NOTHING adds more to the attractiveness of a suburban home than a *beautiful lawn.*

The essentials for a fine lawn are :

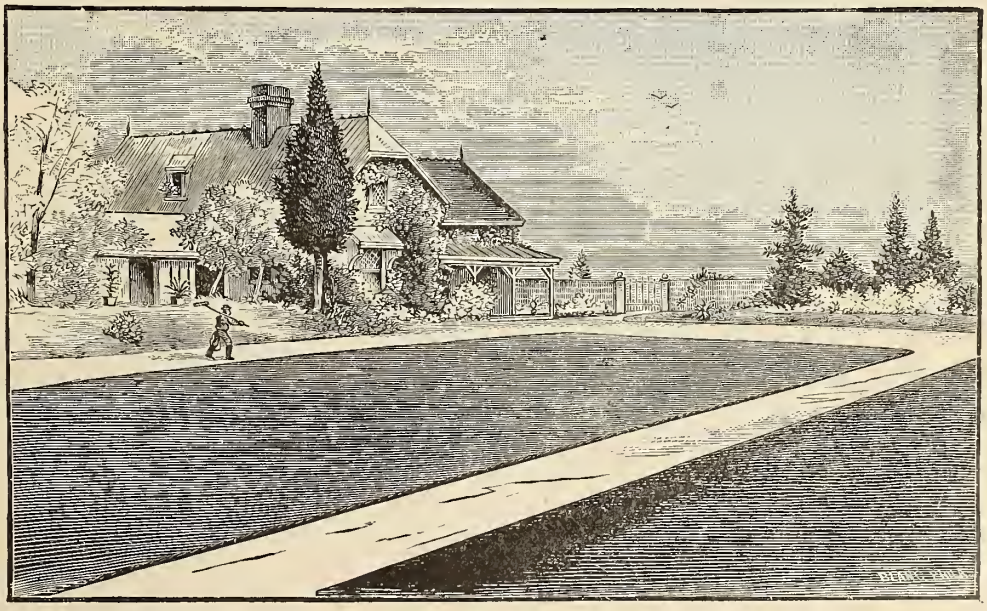
First. A rich, well-drained soil.

Second. Ground carefully worked.

Third. A wise selection of seeds.

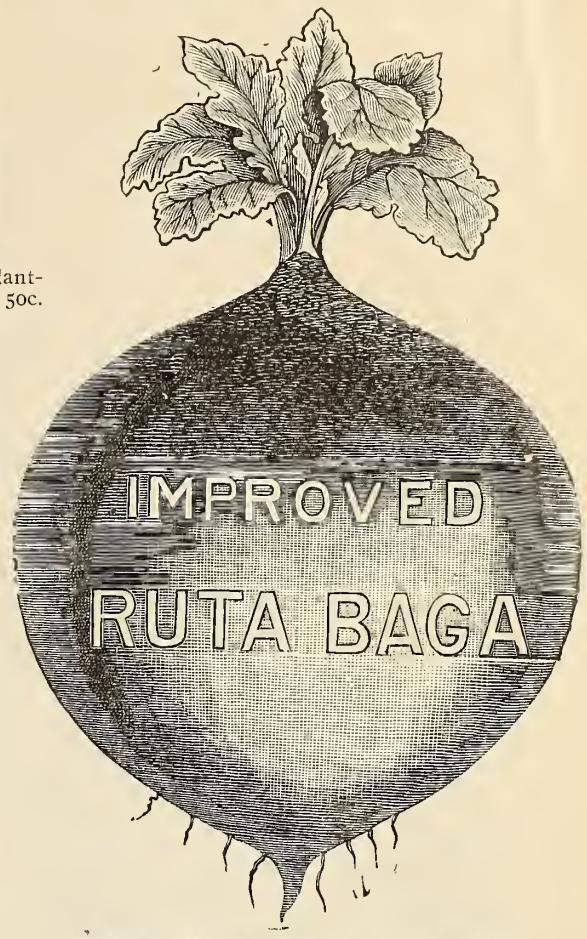
Fourth. Sowing at such a time as to give the young plants a chance to become well established before being subjected to very dry or very cold weather.

Too much care cannot be bestowed upon the selection of grasses, as some varieties are the most luxuriant in Spring, others in Summer, others, again, in the Autumn, and a combination of the proper sorts is required for a perfect carpet-like lawn.



We have given much thought and made many experiments to secure the best selection, and think our evergreen mixture the best possible for permanent lawns. It may be planted early in the Spring or Fall. Lb., 20c.; 25 lbs., $4.50.

Ruta-Baga should be sown a month earlier than turnips, as they require longer to mature.



IMPROVED AMERICAN PURPLE.—Very hardy and productive; flesh yellow, sweet and solid; good for stock or table use. ¼ lb., 10c.; lb., 30c.

FLOWER SEEDS.

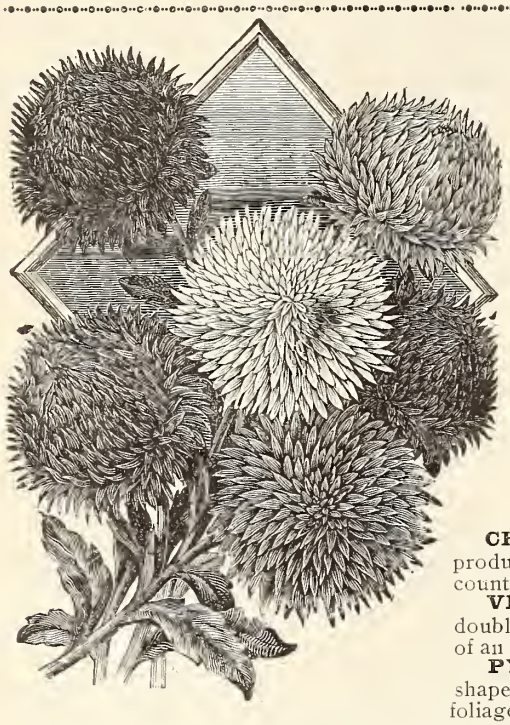
Our Flower Seeds are Selected with Great Care from the best English, French and German Seeds. A Trial will satisfy you as to their Superiority.

TERMS AND ABBREVIATIONS.

Flowers raised from seed are known as Annuals, Biennials and Perennials. The Annuals live and bloom for one season; the Biennials bloom the second year after planting, and the Perennials, after becoming once established, bloom annually. Hardy Annuals, Biennials and Perennials may be sown in open ground early in the Spring, if desired. They require but little protection in Winter. Half-hardy varieties need Winter protection.

As an aid to the proper understanding of the varieties comprising the following list, each name will be followed by the letter *a*, *b*, *p1*, or *p2*, according to their nature or habits, the letters having the following significance:

(*a*) Annuals, which live and bloom one season, and perish.
(*b*) Biennials, which do not bloom until the second season after sowing.
(*p1*) Perennials, which, once established, bloom annually.
(*p2*) Perennials, which require to be grown in a greenhouse or window during the Winter, and transferred to the garden in Summer.



ASTERS-CHINA.

(CALLISTEPHUS.)

(*a*) Of all the flowers in the garden, none will give greater returns for the time and money expended than the Aster, which is so well known that a description would be superfluous. Of all imaginable colors, except yellow, and of sizes varying from a small, compact button to an immensely big flower, hard to distinguish in size and appearance from the most magnificent Chrysanthemum, they make a splendid ornament in any garden, whether they be massed in beds or grown as single specimens. Sow the seed from the middle of March to the first of May, in shallow boxes, in the house or in a spent hot-bed. When the young plants are an inch high, transplant to a warm bed of finely pulverized soil, from whence they can be transplanted where they are to bloom. Moist weather is the best for transplanting. While distinctly an annual, many of the varieties self-sow, and come up in profusion each Spring. Seed can be sown in the open ground as late as the last of May, but they will bloom quite late. Asters also make splendid pot plants, requiring fine, rich soil, and plenty of water.

DWARF VARIETIES.

CHRYSANTHEMUM.—(Flowered.) Plants only ten to twelve inches high, producing large double flowers resembling Chrysanthemums, and valuable on account of profuse late flowering. Packet, 5c.

VICTORIA,—A magnificent race of Asters. Flowers very large, quite double beautifully reflexed; the plants bear 10 to 20 flowers, with the appearance of an elegant pyramid; 1½ feet. Over 20 colors, mixed. Packet, 5c.

PYRAMIDAL BOUQUET.—(Dwarf.) Forming a complete pyramidal-shaped bouquet, carrying from fifteen to twenty flowers, which nearly hide the foliage; height, one foot. A fine range of colors, mixed. Packet, 5c.

HALF-DWARF VARIETIES.

COMET, ASTER.—This distinct class of Asters resembles very much the Japan Chysanthemum in size and shape of flowers. They have a wide range of handsome colors, and are extremely floriferous. Finest mixture. Pkt., 5c.

WHITE GIANT VICTORIA (New).—Package, 10c.

GERMAN QUILLED.—Flowers large, freely produced, and of brilliant colors; height, eighteen inches. Mixed. All colors. Packet, 5c.

GERMAN GLOBE.—These are great favorites on account of their free blooming qualities; very suitable for bouquet. Very fine, mixed. Packet, 5c.

IMBRICATED POMPON.—Flowers of perfect form, and so double as to appear spherical; height, eighteen inches. All colors, mixed. Packet, 5c.

TRUFFAUT'S PAEONY-FLOWERED PERFECTION ASTERS (Tall).—Among the most popular of Fall Asters; very double, large and beautiful flowers, with incurved petals; height, eighteen inches to two feet; nearly thirty colors, mixed. Per packet, 5c.

Abutilon.

Flowering Maple or Chinese Bell Flower. Universally admired; few are aware how easily they can be raised from seed, and how beautifully they flower the first season if seed is sown early; should be started in the house and the young plants set out in the garden, but not until the weather is warm and settled. They grow rapidly, and make fine large shrubs, bearing elegant bell-shaped flowers. They bloom freely in Winter in the house. Choice mixture, 10c.

Antirrhinum.—(Snapdragon.)

(*p2*) Beautiful spikes of gayly colored flowers produced abundantly the first Summer until after frost.

Dwarf Varieties. Best mixed. Per packet, 5c.

SWEET ALYSSUM.—(Koeniga.)

(*a*) One of the earliest and most attractive Spring flowers. Very fine for beds or edging. Of easy culture, and blooms freely the whole season.

WHITE, VERY SWEET.—Package, 5c.

LITTLE GEM.—Very compact growth, three or four inches high, but a single plant will cover a space up to three feet in circumference. Grows quick from seeds and will bloom when quite young. The abundance of flowers is simply enormous, 300 blossoms having been counted on a single plant. Oz., 40c.; ¼ oz., 15c. Packet, 5c.

AMARANTHUS.

Ornamental foliage plants of an extremely graceful and interesting character, producing a striking effect, either in the conservatory or flower garden. Half-hardy annual.

LOVE-LIES-BLEEDING.

TRICOLOR.—Package, 5c.

CAUDATUS (Love Lies Bleeding.)—Graceful. Three feet. Package, 5c.

TRICOLOR (Joseph's Coat).—Leaves scarlet, yellow and green. Beautiful. Two feet. Packet, 5c.

ARGERATUM.

(*a*) Free flowering bedding plants of low growth, contrasting well with Geraniums. Suitable for pot culture in Winter or bedding out in Summer. Flowering continually and profusely. Package, 5c.

BALSAM.

Lady Slipper or Impatiens.

(*a*) One of the most popular of Summer annuals, bearing masses of beautiful flowers until frost. Some of the varieties rival the rose in shape, size and coloring. The flowers are borne at intervals upon an upright stalk, and are much used by florists for ground work of designs. Sow seed in May, where flowers are intended to bloom.

DOUBLE MIXED.—Packet, 5c.

CAMELLIA-FLOWERED.—From a magnificent collection of double varieties; fine mixed colors; 2 feet. Packet, 5c.

BALSAM.

BEGONIA.

Begonias are very popular, and require only a little care to grow the plants from seed. Sow seed in February or March, in pots, on a surface of fine soil, and cover with glass. Take great care not to wash out the young plants in watering; they will give an abundance of bloom the first year. At the end of the season the plants may be dried off by withholding water, the tubers kept in a dry place free from frost, and planted the following Spring, when they will bloom more freely than ever.

TUBEROUS-ROOTED BEGONIAS.—Single mixed, packet, 10c.; double mixed, packet, 20c.

CALENDULA. (See Marigold.)

CANTERBURY BELL.—(Campanula Medium).

Handsome, hardy biennial, of stately growth, rich color and profuse bloom. Succeeds best in light, rich soil, and should be transplanted two feet apart. Has large bell-shaped flowers, which are strikingly effective. Double white, blue, mixed, and single mixed. Package, 5c.

CANDYTUFT.—(Iberis).

Universally known and cultivated, and considered indispensable for cutting. All the varieties look best in beds or masses. Hardy annual; one foot high.

LILAC, OR PURPLE.—Packet, 5c.

ROCKET (Empress Sweet Secuba.)—White, extra large trusses. A great improvement in size and quality of the flowering trusses over the common white variety. Packet, 5c.

Carnations and Picotees.

PINKS.

THE most magnificent of all the Pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in Spring, or in the open ground; protect during Winter; half-hardy perennials. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi-double flowers.

NEW MARGARET CARNATION. The flowers are of perfect form, large and very sweet scented. The brilliant colors range through many beautiful shades of red, pink, white, variegated, etc. Those sown in Spring commence flowering in early Summer, and continue to bloom in profusion until checked by frost, when they can be potted and taken into the house and will flower all Winter, though, if intended specially for Winter flowering, it will be better to sow later in the season. The plants are abundant bloomers, quite dwarf, much branched, compact and robust in habit, stands upright without support. Mixture of choice colors, 5c.

GIANT MARGARET.—A new and very fine large flowering strain. Mixed, packet, 10c.

PERPETUAL, OR TREE CARNATION.—Double choicest colors mixed, packet, 10c.

PICOTEE.—Fancy double mixed, packet, 10c.

SCARLET GRENADIN.—Dwarf and compact; brilliant double scarlet; very early. Packet, 10c.

FINEST MIXED.—Saved from the finest double named flowers. Packet, 5c.

FINE DOUBLE MIXED.—A small percentage will come single mixed. Packet, 5c.

CASTOR BEAN.—(Ricinis).

Tall, majestic plants for lawns, with leaves of glossy green, brown or bronzed metallic hue, and long spikes of scarlet and green prickly fruit. Of very quick growth in rich soil. Tender annual; six to fifteen feet high. Packet, 5c.

ZANZIBARENSIS.—A new and distinct class which surpasses in size and beauty all the varieties hitherto known. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. Packet, 5c.

CENTAUREA.

(*a*) An exceedingly interesting genus of plants, embracing annuals, biennials and perennials. Some of the varieties are foliage plants, indispensable for borders and edges of beds, while others are noted for their beautiful flowers. Packet, 5c.

GYMNOCARPA (Dusty Miller).—Silvery gray foliage; drooping habit; very graceful. Packet, 5c.

CENTAUREA CYANUS (or Bachelor's Button). (*a*) This is the widely known and ever-popular "Corn Flower" or "Corn Bottle," which, if the seed is sown just as soon as the ground is fit in Spring, will furnish a profusion of white, blue and pink flowers from July until late in Autumn. Hardy annual; two to three feet high. Mixed. Packet, 5c.

CLARKIA.—(*a*) Pretty, profuse-flowering annuals, much used for edging. They grow from nine inches to one and a half feet in height, and their colors are confined mostly to red and white, separate and in combination. Useful for hanging baskets and vases. Packet, 5c.

ELEGANS.—Double, mixed rose and white. Pkt., 5c.

CYCLAMEN.

Well known and universally admired tuberous-rooted plants, producing exceedingly handsome red and white flowers. Tender perennial; one foot high.

PERSICUM.

Mixed; of great beauty and many colors.

CYCLAMEN.

CONVOLVULUS.

(See Morning Glory.)

DELPHINIUM.

(See Larkspur.)

COREOPSIS. (Calliopsis.)

Very handsome and showy plants, with numerous flowers of brilliant colors and of long duration in bloom. Packet, 5c.

CHRYSANTHEMUM.

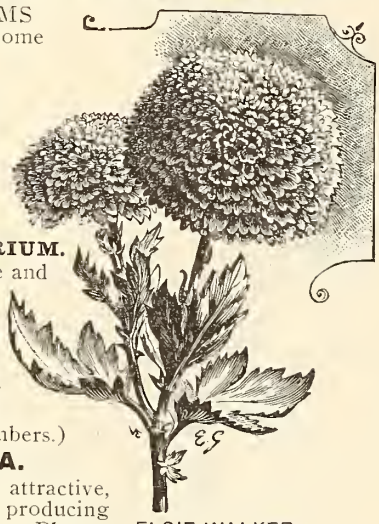
CHRYSANTHEMUMS have deservedly become very popular.

They are showy and effective in the garden, and very desirable for cut flowers.

ELSIE WALKER.
Packet, 5c.

DOUBLE CORONARIUM.
(*p2*) Mixed. White and yellow, double flowers. Packet, 5c.

(*a*) **CHRYSANTHEMUM.** (Indicum Grandiflorum.) Pkt., 5c.



ELSIE WALKER.

COBAEA.

(See Vines and Climbers.)

CINERARIA.

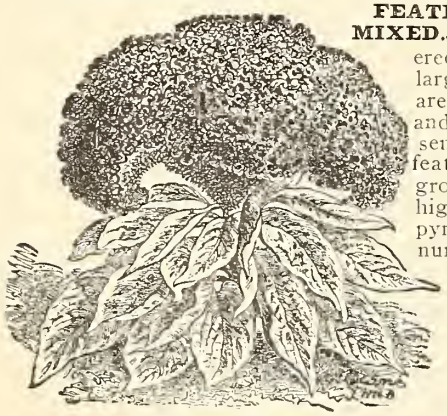
HYBRIDA.—Very attractive, free-blooming plants, producing large and brilliant flowers. Pkt., 5c.

CHOICEST MIXED.—Packet, 5c.

COCKSCOMB.—(Celosia Cristata.)

Highly ornamental plants, producing crested-head of flowers, somewhat resembling a cock's comb. There are many shapes and colors, but of all colors the rose and crimson are the most brilliant and rich. Tender annual. The dwarf varieties are about one foot high. Packet, 5c.

HYBRIDUS, MIXED.—Select mixed colors. Pkt., 5c.



COCKSCOMB.

FEATHERED, FINE MIXED.—This new Feathered Celosia produces large plumes, which are exquisitely curved and curled in exact resemblance to an ostrich feather. The plant grows about three feet high, is of handsome pyramidal form, and numerous massive plumes, gracefully waving above the foliage, make it one of the most effective ornamental plants, for either pot or outdoor planting. It is easy of culture. Packet, 5c.

COLEUS.

Probably there is no other kind of ornamental foliage plant so well known and universally admired as the Coleus. The leaves are of many shapes, shades and colors, and nearly all have a rich velvety appearance of extraordinary beauty. No yard should be without these decorative plants. Tender perennial. Packet, 5c.

COSMOS.

A very effective Autumn flowering plant. Quite hardy and rapid growing, forming bushes often four to eight feet high, and covered with large single, dahlia-like flowers. Should be started in this latitude during March, and transplanted to open ground about June 1.

DAISY.—(Bellis Perennis.)

(*p1*) This is the beautiful little double Daisy of which the poets have sung so sweetly. It grows but three inches high, and bears a profusion of beautiful red and white flowers. Makes a splendid edging, and is an early and persistent bloomer.

DIANTHUS.—PINK.

CHINA AND JAPAN.

Beautiful class of hardy pinks that flower freely the first season. Sow in a hot-bed, transplanting dwarf varieties, six inches apart. If not kept too warm are useful house plants. Double varieties produce flowers as large as Carnation or Picotee. Hardy annuals that bloom the second season also if not allowed to bloom too freely the first. One foot high.

DOUBLE ANNUAL VARIETIES.

CHINENSIS (China or India Pink).—Superb varieties, double, mixed. Oz., 30c. Packet, 5c.

HEDEWIGII (Double Japan Pink).—Beautiful double flowers; mixed colors. Oz., 60c. Packet, 5c.

DIADEMATUS (Double Diadem Pink).—Large flowers of dark shades, marked with white and black colors; rich and beautiful. Oz., 75c. Packet, 5c.

IMPERIALS (Double Imperial Pink).—Choice colors mixed. Packet, 5c.

ALBA FLORE-PLENO (Snowball).—Double white, fringed flowers; fine. Packet, 5c.

SINGLE ANNUAL VARIETIES.

CRIMSON BELL.—Very large, single, brilliant dark red flowers. Packet, 5c.

EASTERN QUEEN.—Magnificent single flowers, two to four inches across. Most splendidly striped and stained. Packet, 5c.

HEDEWIGII, MIXED.—Flowers three inches across; rich, beautiful colors. Packet, 5c.

LACINIATUS, MIXED.—Flowers very large, sometimes three inches in diameter; petals very deeply fringed and beautifully colored. Packet, 5c.

SALMON QUEEN.—A most beautiful new single pink; the tints are distinct from all others; of the most brilliant salmon color imaginable; finely formed and nicely fringed. Packet, 5c.

HARDY PERENNIAL VARIETIES.

Adapted for beds and borders; sweet scented; should be in every garden.

PLUMARIUS (Pheasant Eye).—A beautiful single pink, fringed. Packet, 5c.

ETERNAL FLOWER.—(Helichrysum).

(*a*) These are very popular and desirable for Winter decorations, bouquets, wreaths, etc. They should be cut when they come into full bloom, tied into bunches and dried in the shade with their heads downward.

BRACTECTUM.—Double mixed. Packet, 5c.

BRACTECTUM.—Double red. Packet, 5c.

FEVERFEW.—Golden Feather.—(Pyrethum Aureum.)

(*p1*) A highly ornamental golden yellow foliage plant, unexcelled for bedding; one and a half feet. Packet, 5c.

FORGET-ME-NOT.—(Myosotis).

Neat and beautiful little plants with star-like flowers, succeeding best in a shady, moist situation; half-hardy perennials; blooming the first year from seed if sown early. Packet, 5c.

FOX GLOVE.—(Digitalis).

A handsome and highly ornamental hardy perennial plant of stately growth, fine for shrubberies and other half-shady places; three feet. Packet, 5c.

CILIA, MIXED.

(*a*) Very pretty dwarf plants, early, free blooming; fine for massing and rock work; one foot. Packet, 5c.

HELIOTROPE.

These are deliciously fragrant flowers, remaining in bloom a long time; fine for pot culture or bedding; one and a half foot. Half-hardy annuals. Packet, 5c.

HESPERIS. (See Sweet Rocket.)

HOLLYHOCK.

HOLLYHOCK, MIXED.

(Althea Rosea.)

This is one of the oldest inhabitants of our gardens, and now ranks as one of the finest Autumn flowers. Packet, 5c.

DOUBLE WHITE.—Largely used by florists. Packet, 10c.

JOSEPH'S COAT.

(See Amaranthus Tricolor.)

LARKSPUR (Delphinum).—One of the most showy and useful plants, possessing nearly all requisites for adornment of the garden.

DWARF ROCKET.—Double extra fine, mixed. Packet, 5c.

LOBELIA.

(*a*) A beautiful and popular flower, very desirable for pot culture, beds or hanging baskets, because of its trailing habits. Grows easily and does well in beds and rockeries. Bears a profusion of blue and white flowers.

ERINUS.—Mixed trailer. Package, 5c.

CRYSTAL BLUE.—Package, 5c.

LUPINS—(Lupinus).

Large showy plants for beds and borders. Should be sown where they are to bloom, as they do not transplant well. Flowers in long, graceful spikes of rich and varied colors. Large rose. Packet, 5c.

MARIGOLD.—(Tagetis).

These are very showy bloomers, and are quite favorites. Very effective for groups and masses. African double tall mixed. French double tall mixed, French double dwarf mixed. Packet, 5c.

MARVEL OF PERU, OR 4 O'CLOCK.

(Marabilis).

Handsome, free-flowering, sweet-scented. Blossoms variegated, striped and various colors, blooming in profusion, simultaneously about 4 o'clock in the afternoon. Perennial. Fine mixed. Variegated leaved, mixed. Packet, 5c.

MIGNONETTE.

(*a*) Called by some, "Frenchman's Darling." The well-known sweet-scented flowers so valuable for bouquets. Sweet-scented. 5c. per package.

MIGNONETTE.

DWARF MORNING GLORIES

(*a*) A beautiful plant of trailing habit, growing twelve inches high. They make a fine border.

STRIPED.—White, striped with blue; pretty.

TRI-COLOR ROSEUS.—Rose colored, with white centre.

MIXED.—Many bright colors. Per oz., 10c.

MESEMBRYANTHEMUM.

TRI-COLOR (Dew Plant).—(*a*) Pink, with purple centre; dwarf spreading plants of great beauty, blooming the entire Summer, succeeding best in dry, sandy or loamy soil, and in warm locality. It belongs to the half-hardy annuals.

NASTURTIUM.

NASTURTIUM. (Tropaeolum)

(*a*) One of the most satisfactory flowers in the whole list to grow, for they will thrive in any situation and in any kind of soil; in fact, the poorer the soil, the more profusely will they bloom, as rich soil tends to increase the growth of the foliage rather than that of the flowers. Great improvement has been made of late in the size and color of the flowers. They run the entire gamut of colors, from white to black, and some of the combinations are most beautiful. One great advantage they have is that the oftener the flowers are plucked the more profusely will they bloom. Packet, 5c.

TALL NASTURTIUM. (See Climbers.)

TALL MORNING GLORIES. (See Climbers.)

NICOTIANA AFFINIS.

A handsome genus of garden plants of the Tobacco family, which are noted for the freedom and fragrance of their bloom. Half-hardy annuals, three feet high. Flowers white, salver-shaped, having long, tubular corollas, and are of exquisite fragrance. Deserves a place in every garden. Package, 10c.

NICOTIANA AFFINIS.

MOONFLOWER.

(See Climbers.)

PAEONIA.

PAEONIA.

(Sinensis, or Chinese Paeony.)

(*p1*) For large size, fine colors and profuse blooming, this variety ranks above all others. They are perfectly hardy, and bear transplanting better than most any other plant. They will live through the coldest Winters, and in any kind of ground will make magnificent masses of bloom in early Summer. 5c. per package.

PHLOX, DRUMMONDII.

LARGE-FLOWERING, OR GRANDIFLORA VARIETIES.

(*a*) A bed of Phlox (the name means flame) is indeed a most beautiful sight, and they are so easy of cultivation that no garden should be without them. Either massed in beds or as single plants they are equally desirable, and by occasional sowing a succession of bloom may be had until frost. They like a rich, loamy soil, and plenty of water. Seed should be sown in the open ground early in the Spring, or in the Fall late enough to insure their not sprouting until Spring, as the plants will not stand frost. Fine mixed varieties; all colors. Packet, 5c.

PHLOX.

FIMBRIATA AND CUSPIDATA.—Mixed. Pkt., 5c.

PANSY.

THIS well-known favorite is, without doubt, one of the most satisfactory flowers to grow, especially now that cultivation has brought forth such a bewildering variety of forms, sizes and colors. If large flowers are wanted in early Spring, the seeds should be sown in Autumn in a frame. For Spring sowing, get the seed in as early as possible, and keep the ground well watered and thoroughly stirred up to kill weeds. The Pansy delights in a rich, moist soil, and the largest flowers are borne upon young plants. While they require plenty of sunshine in the Spring, the hot Summer sun is apt to dry them up and cause the flowers to become small. Our seed is all from carefully selected large flowers, and with proper care in growing will yield handsome returns.

BUGNOT'S VERY LARGE STAINED, MIXED.
An extra large flowering beautiful five-blotched race; plants vigorous, with short stalks bearing well above the foliage immense flowers of fine form and substance. Extra fine mixed. Package, 20c.

LARGE FLOWERING PARISIAN, MIXED.
The enormous, conspicuously blotched and stained flowers of this strain are as large as the Trimardeau and have a wide range of magnificent colors. They are borne on stout stems which show their beauty to perfection and the plant is very strong growing and hardy. The best sort for florists. Package, 5c.

LARGE FLOWERING PARISIAN.—Very large stained. Package, 5c.

VIOLET, WHITE EDGED.—Large flowering, 5c.

PURE WHITE.—Large flowering, 5c.

LARGE BLACK AND BLUE.—Package 5c.

EMPEROR FREDERICK.—Velvety brown, shaded into a narrow band of deep golden-yellow, which borders each petal. Per package, 5c.

EMPEROR WILLIAM.—Large, handsome flowers, brilliant ultra-marine blue, with purple violet eye, borne in great profusion. Package, 5c.

BLACK BLUE.—Very rich and constant. Packet, 5c.

LORD BEACONSFIELD.—A highly attractive variety: deep violet, shading to heliotrope, and white on the upper petals. Packet, 5c.

Sensitive Plant. (Mimosa Pudica.)

An interesting and curious plant, with globular heads of pink flowers, well known for the extreme irritability of its leaves and foot stalks, which close and droop at the slightest touch, or in cloudy, damp weather, and during the night. Tender annual; height, one and a half feet. Package, 5c.

PETUNIA.

(*a*) The two varieties of single Petunias are very distinct, one producing numerous small flowers, and the other, the Grandiflora section, bearing immense flowers four to five inches in diameter. For bedding the former variety is the better, but for single specimens the latter gives the greatest satisfaction. The seeds of the double varieties are not as strong as those of the single, and much care is needed to get them to germinate. Seeds can be sown in a cold frame, hot-bed, or open ground, and few flowers will give greater pleasure. They are very hardy, free-flowering, and bloom from June until frost.

LARGE-FLOWERING SINGLE VARIETIES.

HYBRID (Large Flowering).—Striped and mixed. 5c. per package.

HYBRID (Large Flowering).—Fringed and stained. 5c. per package.

GIANTS OF CALIFORNIA.—Immense flowers of a wonderful variety of colors, with deep throats and beautiful veins. 10c. per package.

SPOTTED AND STRIPED VARIETIES.—Mixed. 5c. per package.

LARGE-FLOWERING DOUBLE VARIETIES.

DOUBLE GIANTS OF CALIFORNIA.—In color and size the same as the single, but a beautiful mass of petals. 20c. per package.

DOUBLE FRINGED WHITE.—A splendid flower of immense size, and pure white velvety petals, being delicately fringed. 20c. per package.

CHOICE DOUBLE MIXED.—All colors. 10c. per package.

RICINUS. (See Castor Bean.)

Portulaca.

There are scarcely any flowers in cultivation that make such a dazzling display of color as a bed of Portulacas. They are in bloom from about the first of July till killed by frost in Autumn. Tender annual; about six or eight inches high. Not all the plants will come double, but the single ones can be pulled out. They will stand any amount of dry weather.

GRANDIFLORA.—Mixed. Packet, 5c.

GRANDIFLORA.—Flora pleno mixed. Packet, 5c.

GRANDIFLORA, DOUBLE FLOWERED.—Mixed. Packet, 5c.

POPPY.—PAPAVER.

Well known hardy annuals, flowering in great profusion throughout the Summer.

THE SHIRLEY.

(*a*) Everyone knows the old common corn poppy, or red weed, with its bright scarlet flowers. This is a strain of this magnificent species, which sports to numberless shades of color, from pure white to rose, pink, carmine and deepest crimson. If cut when the flowers first open, they may be kept many days in bouquets. Package, 5c.

PAEONY.—Flowered, mixed. Packet, 5c.

TULIP FLOWERED.—Produces large, splendid bright scarlet flowers well above the foliage. The two outer petals of the flower form a tulip cup, and after a time black spots appear at the base of each petal. Strikingly beautiful, reminding one of a dazzling bed of tulips; hardy annual; about one foot high. Package, 5c.

PRIMROSE, EVENING.

(Enothera.)

(*p2*) The Primrose is chiefly valuable as a greenhouse or window plant, and is fine for Winter and Spring blooming, being as easily grown as a geranium. It delights in a cool place and a rich soil composed of two parts of loam to one of decayed manure and leaf-mold. If intended for outdoor culture, the seed must be sown under glass and shaded during the hot weather, keeping the plants well watered. Packet, 5c.

SALVIA-SPLENDENS.

(Large-Flowering Scarlet Sage).

Under our hot Summer sun, "this flame-colored beauty" is the most gorgeous of all plants. For months the blaze of flaming scarlet is intensely brilliant, with great spikes of bloom completely concealing the foliage. A single plant will carry as many as two hundred spikes of flowers, each spike ten to twelve inches in length. A "packet" contains more than one hundred seeds. Pkt., 5c.

IMPROVED SCARLET.

Packet, 10c.

SNAPDRAGON.— (See Antirrhinium.)

STOCK, TEN WEEKS.

ALL the varieties are desirable as pot plants, as well as in the open garden. They are greatly prized for cut flowers on account of their fragrance and colors.

GIANT PERFECTION.—A splendid race, growing two and a half feet high, with large spikes of perfectly double flowers of great substance and beauty. Mixed. Per package, 5c.

DWARF GERMAN TEN-WEEKS.—Fine mixed. Package, 5c.

VICTORIA LARGE-FLOWERING.—Choice mixed. Package, 5c.

VICTORIA LARGE-FLOWERING. — Blood-red, pure white and purple-violet. Each color, per package, 5c.

WHITE PERPETUAL (Princess Alice; or, "Cut and Come Again").—Of strong growth and fine branching habit, it grows to the height of one and a half feet, and if sown early will produce uninterruptedly a great abundance of bloom from June until November. The individual flowers are uncommonly large, of a fine, rosette-like shape, and the purest possible white. The flowers appear on each little shoot, and the oftener they are cut the better they seem to like it. Per package, 10c.

SWEET WILLIAM.

(Dianthus Barbatus.)

For display in the garden the Sweet William is unsurpassed. The seed can be planted very early in the Spring, in open ground, and will blossom the following Summer, or it can be sown in August, and will make fine blooming plants for Spring.

Hardy perennial; one and a half feet high.

Fine Mixed, Packet, 5c.

Mixed Double, many colors. Packet, 5c.

WALL FLOWER.—(Cheiranthus Cheiri).

The large, massive spikes of the Wall Flower are very conspicuous in beds and borders, and very useful in making bouquets. Sow the seed early in hot-beds, and while the plants are small, prick them out into pots, and sink the pots in the earth. On approach of cold weather, remove the pots to the house, and they will bloom all Winter. Tender perennial; one and a half feet high.

EARLY BROWN.—Brownish-red, fragrant flowers; large, thick spikes; early. Tender biennial. Package, 5c.

GOLDEN TOM THUMB.—Free flowering, of dwarf and compact habit; recommended for Spring bedding. Package, 5c.

MIXED DOUBLE.—Package, 5c.

SUNFLOWER, TALL.—(Helianthus).

Stately growing plants, with immense golden yellow flowers. Showy for backgrounds and shrubberies. Good to absorb the miasma of low grounds. The seed is also healthful food for poultry.

SWEET ROCKET.—(Hesperis).

This is a profuse bloomer, fragrant and attractive. Perennial. 5c. a package.

VERBENAS.

(*p2*) One of the best known and most satisfactory flowers to raise, either for its splendid display in the garden or for cutting purposes. By sowing the seed very early under glass and transplanting when three or four inches high, good, vigorous plants may be raised, which will bloom most abundantly in July, and continue until killed by frost. As a rule, Verbenas grown from seed are very fragrant. Our seed is gathered from the choicest flowers, and is strong and true to name.

SPLENDID HYBRID MIXED.—All the fine varieties. Packet, 5c.

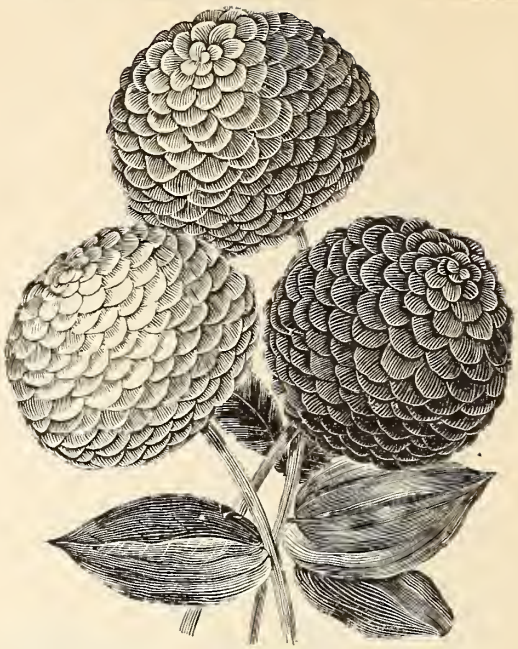
RED DEFIANCE.—5c.

WHITE.—Very pure velvety white. 5c.

VIOLET.

Well-known, free-flowering, hardy perennial, easily grown from seed. Succeeds best in a partially shaded, moist situation. Height, six inches.

Sweet scented; flowers blue; fragrant. Package, 5c.



ZINNIA. (Youth and Old Age.)

(*a*) A very showy plant, with large, double flowers, which, when fully expanded, form hemispherical heads, become densely imbricated, and might easily be mistaken for dwarf dahlias. Half-hardy annual; about eighteen inches high.

DOUBLE ZEBRA.

Flowers striped and mottled with various colors. Double, choice mixed. Packet, 5c.

Climbers and Gourds.

BALSAM APPLE (Momordica).

A very pretty vine. Grows rapidly and yields a handsome yellow fruit, which is both ornamental and useful. Suitable for arbors or lattice work. Packet, 5c.

BALLOON VINE (Cardiosperum).

A rapid growing, handsome Summer climber, having small white flowers, which are followed by seed vessels shaped like small balloons; grows from ten to fifteen feet. Packet, 5c.

CANARY BIRD FLOWER (Tropoeolum).

Well known and desirable climbing plant of rapid growth, highly ornamental foliage and producing hundreds of its elegant, fringe-like, pale yellow flowers. Luxuriant and rambling vine, and is easily trained, making a most pleasing effect. Packet, 5c.

COBAEA.

A fine, rapid-growing annual climber, with handsome foliage and large, beautiful bell-shaped flowers. Seeds should be started in a hot-bed or by a warm window in the house, in rather dry soil, as they are apt to rot in open ground. In sowing, place the seed edge down, and do not water unless in a warm place, and the soil becomes very dry. A well-established plant will run fifty feet in a season and cover a large veranda.

BLUE.—Deep violet. 5c.

CYPRESS VINE, RED (Ipomea).

One of the finest and most delicate climbers grown. Popular as centre climbing piece, as it can be trained to follow any figure. Very graceful and abundant foliage, covered with pretty little red flowers. Packet, 5c.

CYPRESS VINE, WHITE (Ipomea).

The white variety is usually grown with the red, thus making a beautiful effect, while contrasting so nicely. Packet, 5c.

MIXED CYPRESS.

Delicate climbers and abundant bloomers for windows, baskets, vases and trellises, or for open grounds in Summer. Should be in every collection. Packet, 5c.

NEST EGG GOURD (Curcurbita).

A very pretty vine, bearing fruit closely resembling a white egg, and is sometimes used as a nest egg. Packet, 5c.

TOWEL GOURD, OR LUFFA.

Many ladies prefer a dish-cloth made of this gourd to anything else, as it is always sweet and clean as long as any part of it is left. Packet, 5c.

GOURD, MIXED (Curcurbita).

Fine for screens, trellises or shading, being a rapid grower. Has curiously shaped fruit. Packet, 5c.

MOCK ORANGE (Phyladelphus).

This is one of the old standard vines, desirable for trellis or shading, and produces a gourd resembling an orange. Packet, 5c.

MOON FLOWER (Ipomea Mexicana Grandiflora).

Very pretty, rapid-growing vine, with handsome, bright-colored trumpet-shaped flowers. Excellent for covering walls, arbors or lattice work. Blooms at night. Packet, 5c.

NASTURTIUM (Tropoeolum).

The Tall Nasturtium is a profuse flowering and easy cultivated climber. Has great richness and brilliancy of color. Adapted for trellises, verandas and bowers. Pkt., 5c.

SCARLET RUNNERS (Lathyrus Odoratus).

This bean produces a rapid-growing vine and makes clusters of showy bloom. Packet, 5c.

CLIMBERS AND GOURDS.—Continued.

MORNING GLORY (Convolvulus Major).
(Ipomea.)

(*a*) A well-known and beautiful free-flowering climber, with brilliant and varied colored flowers, growing freely in almost any situation and producing a splendid effect. Packet, 5c.

JAPANESE MORNING GLORIES (New Imperial).

These grand new Morning Glories from Japan are remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage, often beautifully blotched. Of strong, robust growth, the vines grow quickly to a height of twelve to twenty feet. They are of all shades of red, from the most delicate pink to the most brilliant crimson and maroon, and innumerable shades of blue, from pale lavender to richest indigo and royal purple; also white, yellow, gray, slate, copper color, brown, bronze, almost black, and many other odd shades not found in any other flower. Many varieties have a distinct marginal band of a different color from the rest of the flower, and some are as elegantly spotted with pink, crimson, blue, brown, etc., as the finest Gloxinias; others are striped, blotched, mottled, rayed, and shaded in an indescribable manner, often having seven or eight colors and tints in one flower. Packet, 5c.

PASSION FLOWER.

(Passiflora.)

A most interesting and well-known order of climbers, bearing singularly beautiful flowers.

COCCINEA. — Brilliant scarlet blossoms in the form of a double coronet or crown. Magnificent greenhouse climber. Package, 5c.

SMILAX.

Charming tender perennial climber for greenhouse or window gardens; it forms "strings" six feet long which are extensively used for decorating, and is grown in immense quantities by American florists. The foliage and stems are of a pleasing light green; very graceful; delicate; remains fresh after being cut for several days.

Packet, 5c.

BULBS AND ROOTS, For Spring Planting.

If wanted by mail, add 5c. each for postage.

CANNAS.

A RACE of subtropical bulbous plants, of most easy culture, rapid reproduction, and good keeping qualities. The plant grows to a medium height and makes a desirable central plant or background for beds. It exhibits a diversity of foliage and variety of flowers. Useful for the garden, greenhouse or sitting-room.

DWARF FRENCH CANNAS.—Mixed choice varieties. Each, 5c.; dozen, 50c.

FLORENCE VAUGHAN.—The finest yellow-spotted variety yet sent out; the foliage is massive and of a rich green color. Each, 5c.; dozen, 50c.

QUEEN CHARLOTTE.—This new German sort is one of the handsomest scarlet varieties ever introduced, having a distinct golden belt around each petal. Each, 10c.; dozen, $1.00.

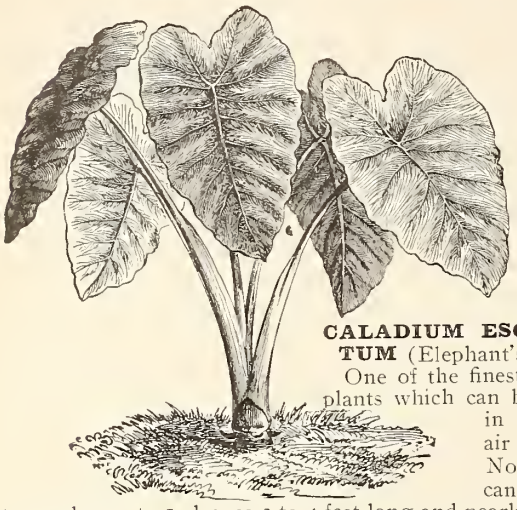
CANNA (Indian Shot).

Stately ornamental plants, very desirable for bedding outdoors, where they produce clusters of large flowers of the most intense and brilliant colors. Tender perennial; two to six feet high. Store roots in cellar in Winter.

CROZY'S HYBRIDS.—Nothing can exceed the beauty and variety of color of these magnificent bedding or greenhouse plants. Started in heat in February, they will bloom by August in the greatest profusion. About three feet high. Finest hybrid varieties and fine mixed. Packet, 5c.

Bulbs and Roots, For Spring Planting.—Continued.

ELEPHANT EARS.



CALADIUM ESCULENTUM (Elephant's Ears). One of the finest tropical plants which can be grown in the open air in the North. It can be made to produce 3 to 10 leaves 3 to 4 feet long and nearly as wide on stalks 4 to 6 feet high. It is of easy culture, the chief requisites being an unlimited supply of fertilizer and water. You cannot make the soil too rich or keep it too wet for this plant. Very effective for the flower border and for planting out upon the lawn. Each, 15c.; dozen, $1.50.

GLADIOLUS.

The cultivation of the Gladiolus is very simple, as they will thrive in any good garden soil, but will amply repay one for careful cultivation. Succession of bloom may be had from July to September by planting at intervals from April to June.

MIXED, ALL COLORS.—Dozen, 20c.; per 100, $1.25.
WHITE AND LIGHT COLORS.—Dozen, 30c.; per 100, $2.00.

EXTRA WHITE AND LIGHT VARIETIES.

MIXED—All first-class varieties, made up largely from best named sorts, including ten per cent. of Snow White. Each, 5c.; dozen, 40c.; per 100, $3.00.

When ordered by mail, add 10c. per dozen for postage.

TUBEROSE.

One of the most fragrant and most popular of the Summer flowering bulbs; may be started early in hot-beds or pots, or planted in open ground after the first day of May. Each, 3c.; dozen, 30c.; per 100, $1.25.

MADEIRA VINE.

Tuberous - rooted climber, with glossy green leaves and delightfully fragrant white blossoms. Sometimes called Mignonette Vine. It is of rapid growth, and from a few tubers vines will be produced sufficient to cover one side of a cottage in a single season. The tubers are tender, and must be protected from frost during Winter. Each, 5c.; dozen, 50c.

WHITE CALLA.—Ready in July.

The White Calla, or Lily of the Nile, is a well-known plant of easy culture, and in Winter is one of our best window plants. To aid profuse blooming, keep them dormant from the middle of June to last of August, re-pot in good, rich soil, using a 4 to 6-inch pot, give water, light and heat in abundance, and the result will be most satisfactory.

Large bulbs, 10c. each; extra large bulbs, 15c.

BEGONIAS, TUBEROUS ROOTED.

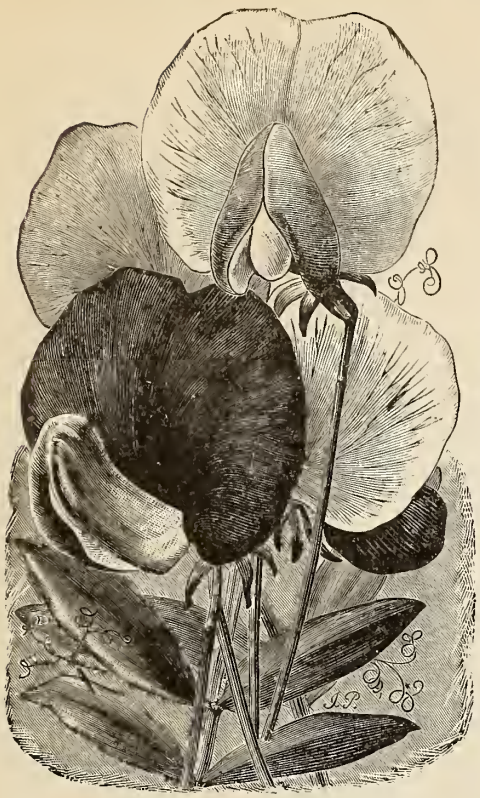
THE TUBERS which we offer are of the very best quality, and with proper care will give a beautiful display early in the Summer. For growing in pots or boxes in the house, plant in rich, sandy soil, give good drainage and water freely after the leaves start, but do not let the soil become sour or logged from over-watering. If it is desired to have a bed outdoors, select a shady, moist situation, making the bed rich with thoroughly rotted manure and leaf mold, if obtainable. Plant as soon as danger from frost is over. After the plants start into vigorous growth, keep well watered. If planted in a proper situation, no plants in cultivation will give a more magnificent display throughout the Summer.

	Each.	Doz.		Each.	Doz.
Single Pink, Scarlet, White, Yellow.....	12c.	$1.25	Double Pink, Scarlet, White, Yellow....	25c.	$2.50
Single Mixed.....	10c.	1.00	Double Mixed.....	20c.	2.00

DAHLIA ROOTS.

THE DAHLIA has always been a favorite for Autumn flowering. The flowers are so symmetrical and perfect, and the range of colors so large and varied, that they will always be popular where display is wanted. The roots are tender and easily injured by frost; they should be set out three feet apart, after all danger of frost is over, and during Winter placed in a cool cellar, and not allowed to freeze. The plants should be supported by tieing to stakes. Our collection of mixed Dahlias is of the best, comprising all the positive colors, with their most striking shades.

All Colors.—Each, 10c.; dozen, 75c.



SWEET PEAS.

A Superb Collection, including Best Up-to-Date Kinds.

Plant early in rows north and south—April 1st is none too soon, if the ground will work. Make a trench twelve inches deep and fifteen inches wide. Work into the soil in bottom of trench plenty of well-rotted manure, fill eight inches of trench with fine soil and sow the Peas, covering one inch deep (if about April 1st), in two rows ten inches apart and seeds two inches apart in the rows; if planted later, cover deeper. When well up, fill in with earth gradually as they grow until the trenches are full. The object is to get the roots well down so that they may resist drought. Give plenty of water, pick the blooms without stint, and do not let run to seed. Use brush or trellis five or six feet high.

IN REARRANGING OUR SWEET PEA LIST this season, after making thorough tests on our extensive trial grounds, and consulting the opinions of well-known Sweet Pea specialists, we have discarded some older varieties, inserting such of the new sorts and recent introductions as are worthy of our commendation, retaining only the best for general cultivation. The following varieties, selected with a view to please the most critical, and grouped for the convenience of customers according to their various shades and colors, we think are the cream of the list.

PRICE, ANY VARIETY ON THIS PAGE—Packet, 5c. and 10c.; ¼ lb., 15c.; lb., 40c.

ALL MIXED VARIETIES 35c. A POUND.

PURE WHITE.

BLANCHE BURPEE.—A grand pure white of superior substance, giant flowers of fine form, usually three on a stem, often four-flowered.

EMILY HENDERSON.—A deservedly popular early white of excellent substance and purity; bears two or three (sometimes four) medium to large flowers on long stiff stems.

MRS. SANKEY.—A fine black-seeded white of superior form and remarkable substance.

DEEP MAROON.

STANLEY.—Darkest of all Sweet Peas; rich dark maroon; immense size; flowers quite early.

BOREATTON.—One of the darkest and richest colored; satin-like maroon.

PRIMROSE YELLOW.

MRS. ECKFORD.—Medium early; flowers charming delicate primrose tint; very effective when bunched; of fine form and size.

PRIMROSE.—Pale primrose; profuse bloomer.

SHADES OF PINK.

KATHERINE TRACY.—A perfect expanded large-sized flower of good substance; a favorite shade of carmine pink.

ELIZA ECKFORD.—Distinct and beautiful; pink shaded and flaked; large and fine.

BLUSHING BEAUTY.—Medium early; rich deep blush pink; large hooded form; very fine. (Royal Robe.)

MRS. GLADSTONE.—Early to medium early; soft flesh pink, of good size. One of the best of its type.

LOVELY.—A most pleasing shade of pink; wings delicate rose, charming color; a large, grand flower. Greatly admired.

SHADES OF ROSE.

LADY PENZANCE.—Beautiful tint of delicate rose; medium early; abundant bloomer; long stems.

OVID.—A deep, rich rose color.

HER MAJESTY.—A grand, clear rosy pink; large bold flowers.

ODDITY.—Large flower of peculiar curled habit; pale carmine with a bright rose edge; a great bloomer.

THE BEST RED OR ROSE STANDARDS AND WHITE WINGS.

EXTRA EARLY BLANCHE FERRY.—The earliest of all Sweet Peas. Same as Blanche Ferry, but flowers 10 days earlier; wings are white; standard deep rose pink.

BLANCHE FERRY.—The popular pink and white; stems three-flowered, of good length; a vigorous and profuse bloomer; very early.

VARIEGATED SORTS.

MRS. JOS. CHAMBERLAIN.—A very large flower of extra fine form, bright rose, heavily striped on white ground.

RAMONA.—A fine grandiflora, creamy white, splashed and flaked with soft pink.

SENATOR.—Fine, large, dark-striped flower, bright brown and chocolate-shaded, striped on white.

GRAY FRIAR.—Large blossoms of excellent form; beautiful watered-purple on white ground, giving a gray effect; makes attractive bouquets.

DAYBREAK.—Watered crimson scarlet on a white ground; a free bloomer; vigorous, upright grower; good stems.

AURORA.—A giant flower of rich salmon pink on white ground; very effective.

SHADES OF SCARLET.

FIREFLY.—Intense crimson scarlet; large flowers; one of the best.

BRILLIANT.—A new brilliant scarlet flower of excellent substance.

MARS.—A most intense crimson red; flowers of large size and most perfect form; a strong grower and medium early.

SHADE OF BLUE.

CAPTAIN OF THE BLUES (Grand Blue).—A true blue in general effect; three or four large flowers on good stems; a free and early bloomer.

SHADES OF CLARET.

CAPTIVATION.—Large shell-shaped flowers; standard purplish claret; wings purplish lake.

DUKE OF CLARENCE.—Deep rose claret; first-class in size and substance; an abundant bloomer.

WAVERLY.—Rose claret; blue wings.

MONARCH.—Large bronzy maroon and dark blue.

DISTINCT BLENDINGS.

VENUS.—A lovely salmon buff, shaded rosy pink.

APPLE BLOSSOM.—Bright rose and pink; a fine, large, beautiful flower.

LOTTIE ECKFORD.—White ground, lightly suffused with heliotrope; edges of standard and wings clear, deep blue; flowers large and fine.

BUTTERFLY.—White, edged and shaded with blue; a very acceptable variety, and one of the best.

RED RIDING HOOD.—A remarkable departure in form. The standard is drawn down into a snug hood; a bright rose color; fragrant; free bloomer.

ECKFORD'S "GILT EDGE" MIXTURE.—Of undoubted superiority. Packet, 5c.; ¼ lb., 15c.; lb., 35c.

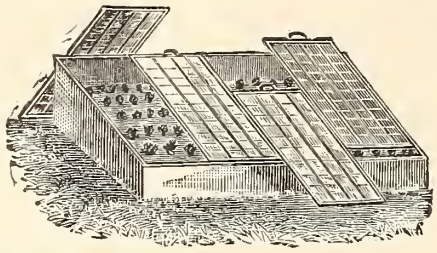
FINE MIXED.—All sorts and colors. A fine mixture for the low price. Packet, 5c.; ¼ lb., 10c.; lb., 30c.

HARDY SWEET PEAS.

PERENNIAL, OR EVERLASTING (Lathyrus Latifolius).—Perennial climbers suitable for trellises, arbors, etc. They die down every year and start again in the Spring; hardy perennial; five to six feet. White, packet, 5c. Mixed, packet, 5c.

SPLENDENS (Pride of California).—Brilliant rosy red. Packet, 10c.

HORTICULTURAL SUPPLIES.



Unglazed Hot Bed Sash.....Each, 70c.

VAN REYPER'S GLAZING POINTS.

The finest glazing points on the market; the glass cannot slip ; they are quickly and easily put in with special pincers; no rights and lefts to bother with.

Price, per pound... 40c. Pincers, per pair... 50c.

PLANT BED CLOTH.

Splendid cheap substitute for glass, answering many uses equally well. Light and easily shipped anywhere. It is of stout tarred muslin that sheds water; protects against weather. Twenty yards and upward, per yard :

Light.... 5c. Medium.... 8c. Heavy... 12c.

MASTICA.

For glazing **Greenhouses, Sashes, etc.,** new and old. It is elastic, adhesive and easily applied; it is not affected by dampness, heat or cold.

Price—Per quart.. 35c. ½ gal.. 60c. Gal.. $1.00

MASTICA GLAZING MACHINE.

Price..... $1.00

GLASS CUTTERS.

Prices..... 5c., 10c., 25c., 50c.

LIGHTNING HAY KNIFE.

Price..... 70c.

DIBBLES.

For transferring plants. By far the best thing for the purpose ever introduced. Price.....35c. and 50c.

MARLING PURE HEMP.

For Hot-Bed Mats. 15c. a pound.

IRON-CLAD WATERING POTS.

With Adjustable Nozzles.

4	Quart.....	$0.50
6	"	.60
8	"	.70
10	"	.90
12	"	1.00
16	"	..1.25

Special for Florists' use, $1.50 and $1.75.

TROWELS.

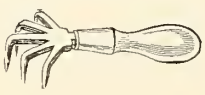
Vaughan's Steel.—Absolutely the best Trowel in the world. It is of one solid piece of steel, and will outwear several of the ordinary sort.

Each..... 40c. Common....5c. and 10c. each.

DOUBLE TUBE LIGHTNING INSECT EXTERMINATOR.

The reservoir of this Sprayer is glass, and handsomely mounted and painted, and can be easily detached; it is constructed so as to give the glass reservoir a churning position, and will prevent any settlement, as occurs in other sprayers. Price.....75c. each.

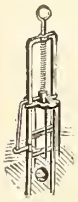
EXCELSIOR WEEDER.



Price..... 10c.

Large Hand Spading Fork, 10c.

OUT-O'-SIGHT MOLE TRAP.



This, while possessing all the good qualities of other traps, is especially adapted for setting under glass.

Price.....$1.00

HALE'S NEW MOLE TRAP.

The Cheapest Good Mole Trap In The Market.

Price.....$1.00

BRASS GARDEN SYRINGES.

Our Syringes Are The Best Made. Two Sprays.

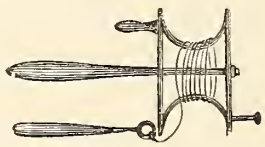
WOODASON VAPORIZING BELLOWS.

Throws a spray fine as mist, rendering the use of strong solutions perfectly safe on tender plants.

Large size.....$2.00

WOODASON POWDER BELLOWS.

Single cone.....Each, $1.75. Double cone.....$2.75.



GARDEN REELS.

Price.....75c. to $1.25.

STEEL HOLLOW-HANDLE POST SPADE.

Flattened at one end like a spade. The other end is sharpened, and can be used as a crowbar. Light, durable, effective, cheap. Price..... $1.00

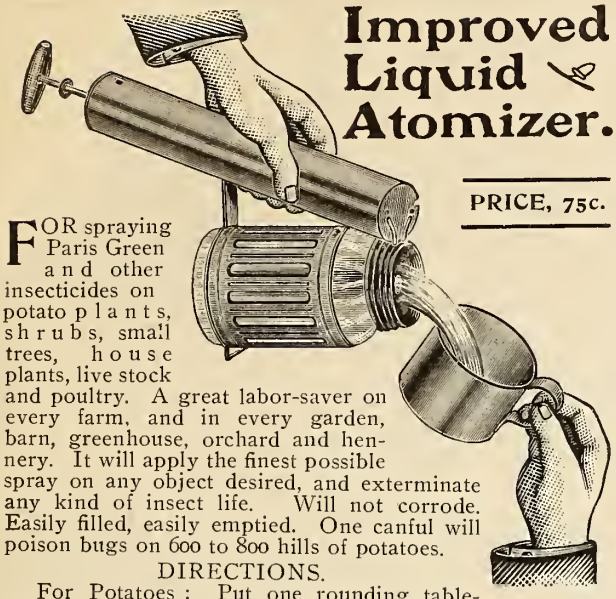
Brass Spray Pump.

With Return Stream Agitator. With Brass Working Parts and Malleable Iron Foot Rest.

The Agitator being in the lower valve, stirs the straying liquid thoroughly, and in addition the strainer is kept free from sediment. It is furnished with Acme nozzle, and will throw a fine spray or a solid stream.

" Prize " Bucket Spray Pump, price..... $2.50

Improved Liquid Atomizer.



PRICE, 75c.

FOR spraying Paris Green and other insecticides on potato plants, shrubs, small trees, house plants, live stock and poultry. A great labor-saver on every farm, and in every garden, barn, greenhouse, orchard and hennery. It will apply the finest possible spray on any object desired, and exterminate any kind of insect life. Will not corrode. Easily filled, easily emptied. One canful will poison bugs on 600 to 800 hills of potatoes.

DIRECTIONS.

For Potatoes: Put one rounding tablespoonful of poison into the can; fill with water and thoroughly agitate; should action of valve become weakened from wear, take out the two screws at end of tube; draw out plunger and wrap twine around bevel edge of wood washer, spreading leather with fingers; keep plunger well oiled; funnel is for filling only.

Acme Powder Gun.

PRICE..... 60c.

IT IS A SIMPLE, practical instrument for exterminating all kinds of Insects, Bugs, Flies, etc. Will last a lifetime, and every farmer should have one. It will handle all insecticides in the dry state—Pure Paris Green, Hellebore, Persian Insect Powder, etc. It is very effective in the destruction of Potato Bugs, Currant Worms, and all like pests, and for the wholesale destruction of house flies, using freshly ground insect powder, cannot be excelled.

For Potato Bugs it only requires the usual amount of Paris Green, and does its work easily, quickly and well.

Acme Powder Gun is well made, constructed with a solid hard wood head block, hardwood handles, best leather for the bellows, (an extra elbow is furnished to tilt the funnel for getting under leaves of plants and shrubs,) and is well finished throughout. This implement should have been placed with other insect powder guns, but came to hand too late for proper classification.

Insect Destroyers.

LIQUID INSECTICIDES CANNOT BE SENT BY MAIL.

Ant Exterminator.—A non-poisonous powder which will kill or drive away ants from lawns, etc. Per box, 50c.; by mail, 60c.

Lemon Oil.—A most popular and best all-round insecticide for greenhouse and house plants, especially for mealy bugs, scale, red spider, black and green aphis, thrip, lice, worms, and slugs. Full directions with each bottle. Small bottle, 25c.; ½ pint, 40c.; pint, 75c.; quart, $1.25.

Bordeaux Mixture.—Prevents black rot, mildew and rust. Destroys all fungus growth on vegetation. Quart, 25c.

Grape Dust.—Excellent for the prevention and destruction of mildew on plants. Per lb., 10c.; 5 lbs., 35c.; if by mail, add 10c. per lb.

Solution of Copper.—For use on trees, vines, or vegetables, affected with rot, blight or scab. Good for the black spot on the rose and the mignonette disease. Per quart, 50c.

For Aphis or Green Fly, Rose Bugs, Currant Worms, Slugs, Catterpillars, Etc.

Powdered White Hellebore.—Less poisonous than Paris Green and safer to use when fruit or vegetables are nearly ripe. Per lb., 20c.; by mail, 30c.

Mors Insect Powder.—15c. a bottle.

Paris Green.—Per lb., 25c.

Slug Shot, Hammond's.—Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice, and worms, fleas, beetles and striped bugs on melons, turnips, beets, onions, etc.; canker worms and caterpillars on fruit and ornamental trees. Price, 5 and 10-pound packages, 25c. and 45c.

Slug Shot Duster.—Made of tin, with handle and perforated bottom; holds half a gallon. 30c.

Tobacco Dust.—One of the best remedies for green and black aphis, fleas, beetles, etc.; also for insects in the ground. Pound, 5c.

Fir Tree Oil Soap.—For thrip, red spider, black and green flies, mealy bugs, worms and slugs. Per half-pound tin, 25c.

Whale Oil Soap.—Makes an excellent wash for trees and plants where insects and eggs affect the bark. Per lb., 15c.; 2 lbs., 25c.; 5 lbs., 50c.; by mail, add 10c. per lb.

Nikoteen.—Highly concentrated. Is the most powerful insecticide; the best thing to destroy insects on roses. Pint, $1.50.

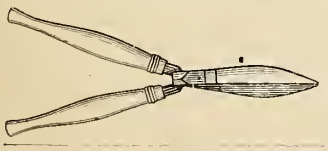
Kerosene Emulsion.—For plant lice of any kind, cabbage worms, scale, insects on trees. Two-quart can, 35c.

HORTICULTURAL TOOLS.

The Perfect Knapsack Spray Pump.

THE TANK is constructed entirely of copper, and holds five gallons; is fitted with lid and strainer, which can be removed. This pump has lever, large air chamber, ball valves, solid plunger and agitator. It is so arranged that no water can drip on the operator. The pump is fitted with five feet of half inch hose, pipe extension and Bordeaux spray nozzle, which can be graduated from a fine mist to a solid stream, or shut off entirely. Any other nozzle furnished with these pumps when ordered.

Price.....**$10.00**

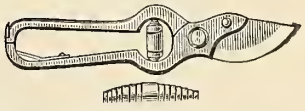


HEDGE SHEARS.

8-inch.....	$1.25
9-inch.....	1.50
10-inch.....	1.95
12-inch.....	2.25

With Notch, 25c. Extra.

HAND PRUNING SHEARS.



No. 1.—Malleable Pruning Shears, with Steel Blade.. 40c.
No. 2.—Malleable Pruning Shears, with Steel Blade.. 50c.
8½-inch Solid Steel Pruning Shears..... 75c.

LEWIS' COMBINATION FORCE PUMP.

Can be used as Veterinary Syringe. Price, $2.50.

	Price.
Sheep Shears	40c., 60c., 75c.
Grass Shears	40c.
Flower Scissors	25c.
Asparagus Knife	30c.
Edging Knives	40c., 60c., $1.00
Budding Knives	60c., 75c., $1.00
Pruning Knives	50c., 60c., 75c.

ALL KINDS OF IMPLEMENTS FOR THE FARM AND GARDEN.

HORTICULTURAL TOOLS.—CONTINUED.

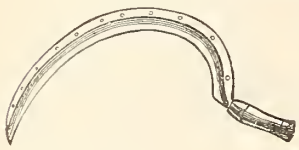
BUCKEYE PRUNERS.

Price.....75c.

SCYTHES.

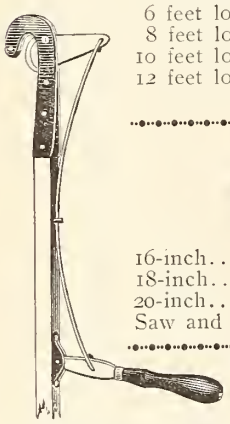
Best American Grass	$0.50
Bush or Brier Scythes	.75
English T. Waldron, 36, 38 and 40-inch	1.25
Snath or Handle	40c., 50c., 60c.

GRASS HOOKS.



American	$1.25
Draw Cut	.40
German	.25
Best English	.50
Best English Hedge Hook	.60

WATERS' TREE PRUNERS.



6 feet long	$0.75
8 feet long	.85
10 feet long	1.00
12 feet long	1.25

Extra Knives, 20c.

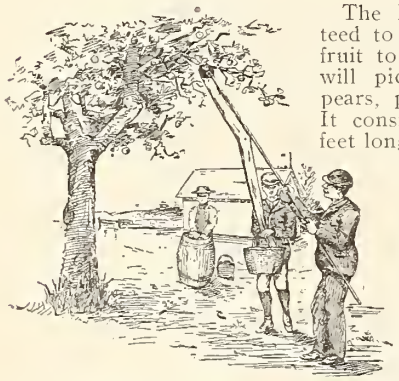
PRUNING SAWS.

16-inch	$0.60
18-inch	.70
20-inch	.80
Saw and Chisel combined	1.00

TELEGRAPH TREE PRUNERS.

Price, without pole....$1.00

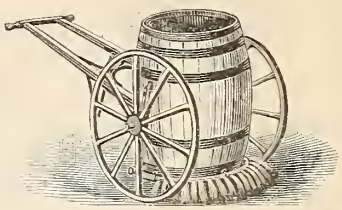
Plumley Fruit Picker.



The Plumley is guaranteed to pick ten barrels of fruit to one by hand. It will pick apples, peaches, pears, plums and oranges. It consists of a handle 10 feet long and a conveyor 12 feet long, suitable to pick any ordinary tree, but can be lengthened by splicing handle and conveyor to pick any fruit tree that grows. It is light and easily handled, weighing only two pounds complete, and will last a lifetime. A lady or child can handle it. It requires no climbing, no ladders, no danger of broken limbs, and is warranted not to bruise the fruit. No country place is complete without one or more of them. The boy in the illustration stops the fruit going into the basket to prevent bruising.

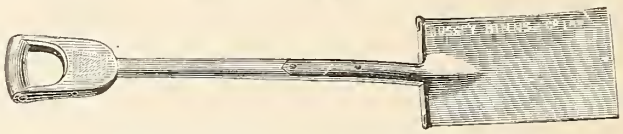
Price..... $1.00 each.

Combination Watering Barrel and Truck.



Water Truck	$6.50
Water Truck and Barrel	9.00
Water Truck and Box	9.00
Water Truck, Barrel and Box	11.25

Spades.

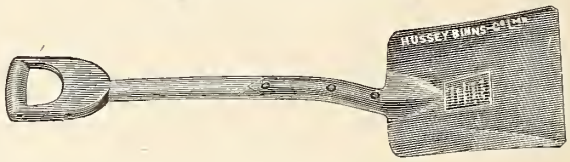


No. 2.—D Handle, Square Point, warranted Steel, Solid Socket	85c.
No. 2.—Long Handle, Square Point, warranted Steel, Solid Socket	75c.
No. 2.—D Handle, Riveted Socket	60c.
No. 2.—Long Handle, Riveted Socket	60c.

Spading Forks.

D Handle, 5-tine, warranted Steel..... 50c.

Shovels.

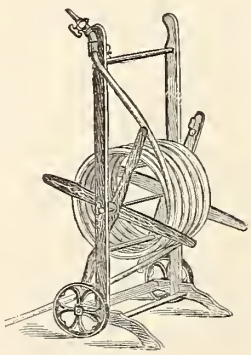


No. 2.—D Handle, Round Point, Solid Steel	75c.
No. 2.—Long Handle, Round Point, Solid Socket	75c.
No. 2.—Long Handle, Round Point, Riveted Socket	75c.

Nos. 3, 4, 5 and 6, Long and D Handle Scoops, with a large assortment of Shovels, we always carry in stock.

Forks of all dimensions and used for all purposes.

Rubber Hose.



Hose, Red Rubber.—Four ply, extra heavy. We keep it in lengths of 25 and 50 feet, and these we do not cut.

Price, ¾-inch, per foot.. 13c.

Hose, Rubber, Builders' Brand.

¾-inch, 3 ply, seamless.

Per foot..... 8c.

Composition.—¾-inch rubber; will give good service under light pressure of water.

Per foot..... 5c.

Hose Reel.....Each, $1.00

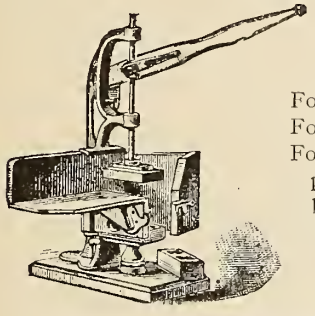
Reid's Butter Worker.

THIS IS A MACHINE that is very efficient in its work, simple in its construction, and convenient to handle. It will work a batch of butter in from three to five minutes, according to the condition of the butter, working out the buttermilk, and thoroughly mixing in the salt, doing the work far quicker and better than it can be done by hand. It consists of a tray and a roller with paddles, which is turned by a crank and traverses from end to end of tray. It acts on the butter on precisely the same principle as a ladle in the hands of a person, but with perfect uniformity and without injuring the grain. The machines are all built of the best material ; the iron part is galvanized, preventing rust.

No. 1.—Size, 23x36 inches and 2½ inches deep inside.						Capacity,	50	pounds.	Weight,	45	pounds	.....	Price,	$7.50
" 2.— "	20x36	"	"	2½	"	"	"	"	30	"	"	29	"	.....	"	6.00
" 3.— "	17x27	"	"	2½	"	"	"	"	20	"	"	25	"	.....	"	5.25
" 4.— "	14x23	"	"	2½	"	"	"	"	10	"	"	20	"	.....	"	4.50

Three pounds can be worked in any of the above machines, as well as a larger quantity. In buying a machine you should choose a size that will work the largest quantity that you will likely want to work at a time.

Self-Gauging Butter Printer.



	Price.
For half-pound Printer	$10.00
For pound Printer	10.00
For both pound and half-pound Printer combined	13.50

Dairy Paddles. Each ..... 10c. Per dozen ..... $1.00.

S Ladle. Each ..... Price, 15c.

Philadelphia Butter Print.

Prices ..... 25c., 40c., 50c.

Lafayette Printer. Price $10.00

Butter Boxes.

ARE MADE of well-seasoned lumber, iron-bound at the edges and capped at the corners.

Malleable detachable hinges and corner plates combined giving greater strength and durability than any other box, to which especial attention is called. The trays for the butter are let down into the box, one upon another, and may be put in or lifted out with the butter in them. A movable ice box is placed in the centre; when this is not used, a strip provided for the purpose may be placed in the bottom of each tray to fill up the space. The four sides of the trays are surrounded by a non-conducting air space, which is valuable in preserving the temperature and saving the ice. Malleable iron chest handles, well secured to the sides of the box, make it convenient to carry. These boxes are specially suited for square or oblong prints.

Capacity.			Price.	Capacity.			Price.
20	pound	Prints	$3.75	120	pound	Prints	$6.00
30	"	"	4.25	36½	"	"	4.50
40	"	"	4.75	64	"	"	5.25
56	"	"	5.00	80	"	"	5.50
80	"	"	5.50	100	"	"	6.00
96	"	"	5.75	140	"	"	7.00

POULTRY SUPPLIES.

Sunflower Seed.

Highly recommended for poultry as one of the best egg-producing foods known, keeping them in good condition.

Quart	10c.
Peck	50c.
Bushel	$1.50

Pratt's Food.

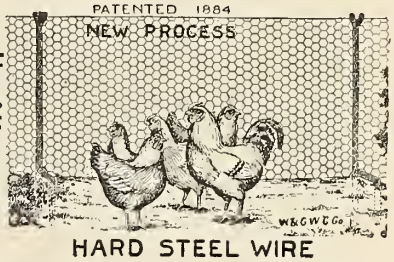
A POSITIVE PREVENTIVE

For Gapes and Other Diseases.

. . A GUARANTEED EGG PRODUCER. . .

16-ounce packet	25c.
5-pound packet	60c.

Poultry Netting.



HARD STEEL WIRE

Poultry Wire Staples, 7c. Pound.

12	inches	wide,	2-inch	mesh	.....	$1.50.	Sq.	ft	.....	$0.75				
24	"	"	"	"	.....	3.00.	"	.....	1.50					
36	"	"	"	"	.....	4.50.	"	.....	2.25					
48	"	"	"	"	.....	6.00.	"	.....	3.00					
60	"	"	"	"	.....	7.50.	"	.....	3.75					
72	"	"	"	"	.....	9.00.	"	.....	4.25					

Prices less than a Roll, ¾c. a square foot.

OUR POULTRY SUPPLIES ARE THE BEST AND CHEAPEST ON THE MARKET.

Cracked Poultry Bone.

This article is manufactured from fresh, clean bones, and is perfectly pure and sweet. The bones are extra selected, being first boiled to remove the meat, and then ground. No chemicals whatever are applied to them in the course of manufacture, so that they are turned out green and pure. Should be fed to the poultry daily, about a handful to every five fowls, like grain or any other feed. An excellent bone and egg-producer, keeping the fowls strong on their legs and largely increasing their laying qualities.

10 lbs., 30c. 35 lbs., $1.00. 100 lbs., $2.50.

Crushed Oyster Shells.

This is a most important article for the poultry yard through the winter, and should be liberally supplied to the fowls. In Summer, when left to run at large, they can find their own shell-making material, but when everything is frozen or covered with snow, they must be helped out, if eggs are wanted.

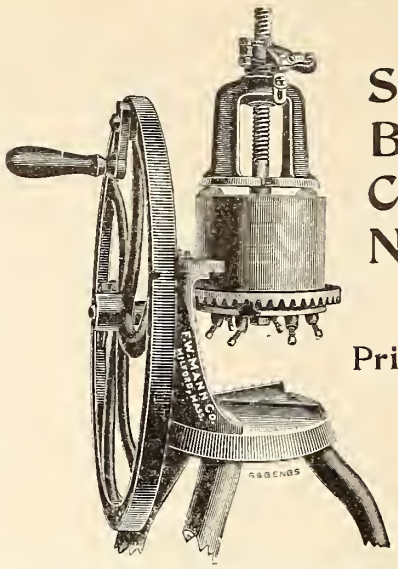
5 lbs., 10c. 25 lbs., 40c. 100 lbs., 75c. 500 lbs., $2.50.

Death to Lice.

A DISINFECTANT INSECT POWDER.

This Powder is unrivalled as an insecticide; handy to use, cheap to buy, and does the work quickly.

15 oz. package	$0.25	Postpaid	$0.40
48 "	.50	"	1.00
100 "	1.00	Express paid	2.00



MANN'S

Standard Bone Cutter No. 2.

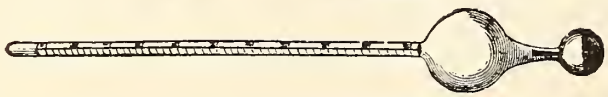
Price, = $18.50.

Mann's No. 1 Bone Cutter, with Crank			$5.00
" " 3 " "			10.00
" " 1 "	with Balance Wheel		7.00
" " 3 "	" "		12.00

We recommend the balance wheel, as its momentum assists in cutting, and makes it run easier and better.

Floating Glass Thermometers.

Price.....20c.



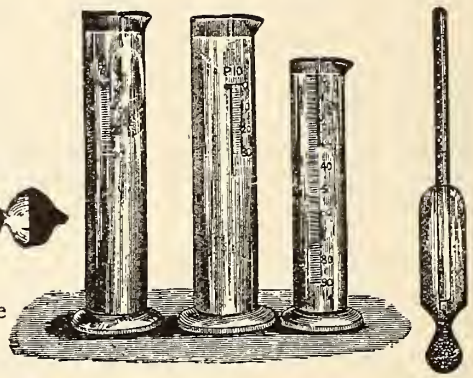
Lactometers.

Each.....75c.

Lactometer and Thermometer Combined.

An accurately graduated instrument which gives the specific gravity and temperature of milk at the same time.

Price.....$2.00.



Milk Testing Instruments.

Per set 4 pieces.....$2.50

Carriage Hardware.

Warner's Patent Wheels.

STEEL TIRED.

				Per Set.
7/8 tread,	1 1/16 spoke,	7/8x1/4 steel tire		$9.00
1 "	1 1/4 "	1 x1/4	"	10.50
1 1/4 "	1 3/8 "	1 1/4x1/16	"	11.50
1 3/8 "	1 1/2 "	1 3/8x3/8	"	13.50
1 1/2 "	1 5/8 "	1 1/2x1/8	"	15.50
1 5/8 "	1 7/8 "	1 5/8x5/8	"	17.00
1 3/4 "	2 1/4 "	1 3/4x3/4	"	19.50

FIFTH WHEELS.

AXLES, SPRINGS.
SHAFTS, POLES.

RIMS, SPOKES.

BAR IRON.

BAR STEEL.

SPRING STEEL.

CRUCIBLE STEEL.

CHAINS OF ALL DIMENSIONS.

OUR DAIRY SUPPLIES ARE OF THE LATEST INVENTION.

"Gem Nozzle."—Throwing all variations, from fine spray to streams for ¾-inch Hose.
Each..... 40c.

Standard Hose Nozzle.
Price..... 20c., 25c. and 30c.

Rope.

Pure Manilla, ½, ⅝, ¾, ⅞, 1, 1¼.....— @ lb.
Sizal, ½, ⅝, ¾, ⅞, 1, 1¼.....— @ lb.
Tar Rope or Fodder Yarn.....— @ lb.

Subject to Market Fluctuation.

Wire.

Hartman's Steel Picket Fence, 37 inches high, No. 12 wire.....18c. a foot.
Hartman's Wire Tree Boxes.....$1.00 each.
Barb Wire.....
Plain Ribbon Wire Fencing.....
Saw Tooth Wire Fencing.....
Plain Twisted Cable.....
Plain Cable.....

PRICES ON APPLICATION.

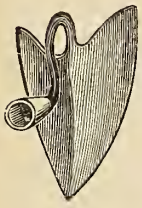
Wire Stretchers.

35c., 75c., $1.25.

GARDEN HOES.

OUR LINE OF HOES EMBRACES NEARLY EVERY STYLE ON THE MARKET,

And will mention a few below.



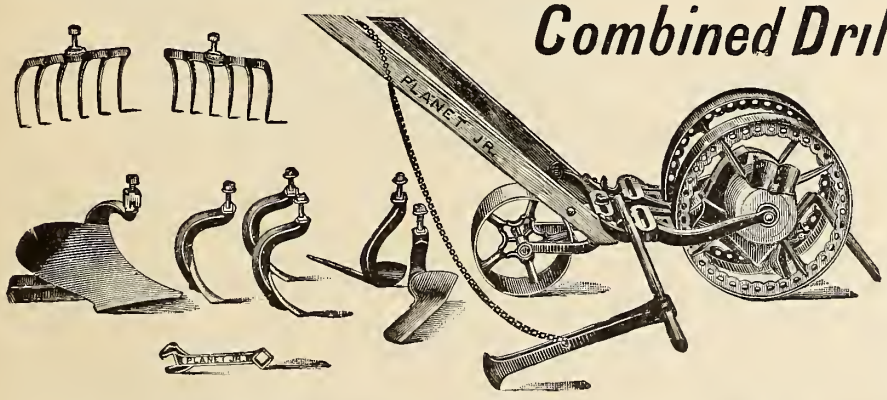
Celebrated Warren, each.....	50c.
Riveted Socket, Steel Blade, 6½-7½.....	20c.
Solid Shank, Forged Tempered Steel, 6½-7½..	25c.
" Socket, " " " 6½-7½..	30c.
" Shank, Heavy Planters', ⅞-inch.....	40c.
Six-Teeth Cast Steel Weeding.....	40c.
" Malleable Iron Weeding.....	20c.
Two-Prong Weeding, Cast Steel.....	20c.
Broad Point " "	20c.
Sharp " " "	20c.
B. B. Steel, Extra Heavy.....	50c.
Two-Prong Nursery Hoe.....	35c.
Cut Easy Hoe.....	35c.

BLACKSMITHS' TOOLS

WE CARRY A COMPLETE LINE OF THE LATEST IMPROVED TOOLS IN STOCK.

"PLANET Jr." No. 1

Combined Drill and Wheel Hoe

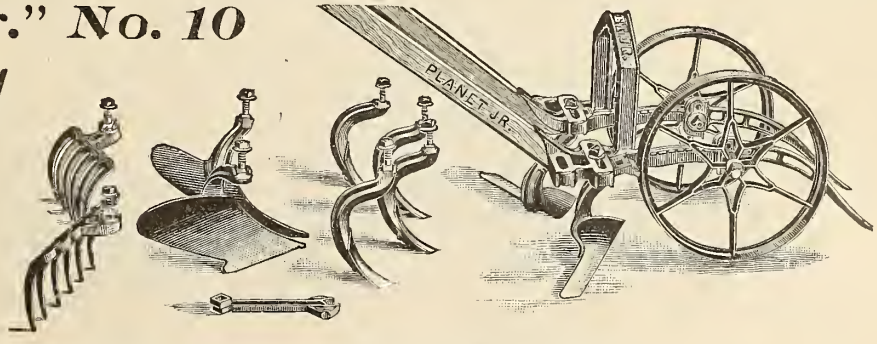


PRICE, $11.00.

THE best-known and most popular of all the "Planet, Jr." machines. Satisfactory in every way, both as a drill and as a cultivator. It has a complete set of cultivating tools and all its operations are rapid, easy, perfect and delightful. When used as a drill, the seed is sown with great regularity and at uniform depth. Hopper holds one quart.

"PLANET Jr." No. 10

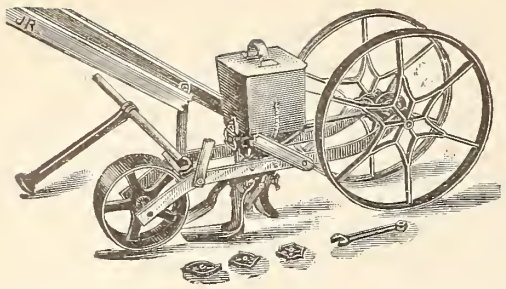
Double Wheel Hoe.



Complete as shown above.

PRICE, $6.00.

WE INVITE CORRESPONDENCE ON ANY KIND OF IMPLEMENTS.

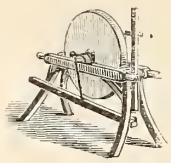


New "Planet Jr." No. 3, Hill Dropping Drill.

Sows Either in Hills or in Continuous Row.

PRICE, $11.00.

Grindstone, Mounted.



No. 1.—Stone weight about 100 lbs..... $3.25
No. 2.—Stone weight about 80 lbs..... 2.75
No. 3.—Stone weight about 50 lbs..... 2.00

Rakes in all Styles.

Solid Steel..... 12, 14, 16 and 18 inch.
Malleable..... 12, 14 and 16 inch.
Wood Rakes, Wire Bow.
Wood Bow and Split Bow.

THE IRON AGE HORSE HOE.

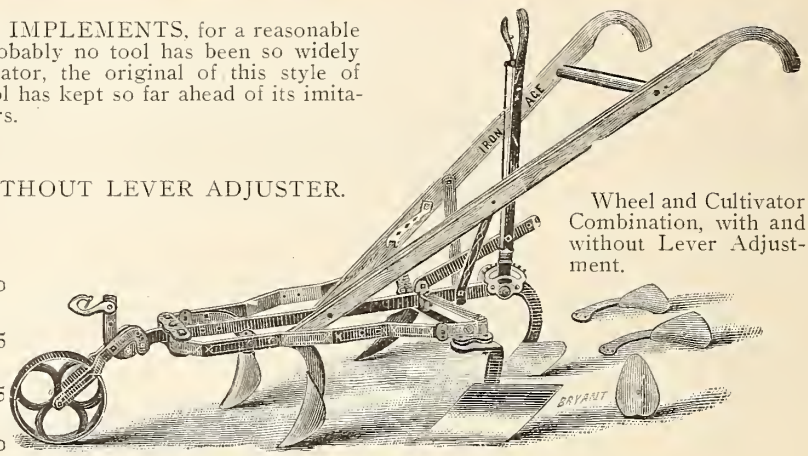
ONE OF THE MOST SATISFACTORY IMPLEMENTS, for a reasonable price, ever made on this continent. Probably no tool has been so widely imitated as the "IRON AGE" Cultivator, the original of this style of implement, and we are quite sure no other tool has kept so far ahead of its imitators. All Steel Frames. New Shape Side Bars.

A GRAND, GOOD THING.

SOLD WITH OUR WITHOUT LEVER ADJUSTER.

PRICES:

Horse Hoe and Cultivator, with Wheel..$3.00
Horse Hoe and Cultivator, with Lever and Wheel..... 3.75
Horse Hoe, Cultivator and Corn Coverer combined, plain..... 3.75
Horse Hoe, Cultivator and Corn Coverer combined, with Lever and Wheel..... 5.00



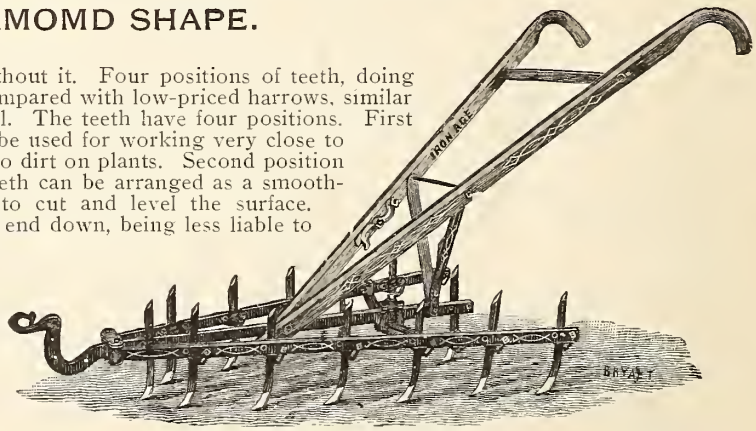
Wheel and Cultivator Combination, with and without Lever Adjustment.

Combined Harrow and Cultivator.

STEEL TEETH, DIAMOMD SHAPE.

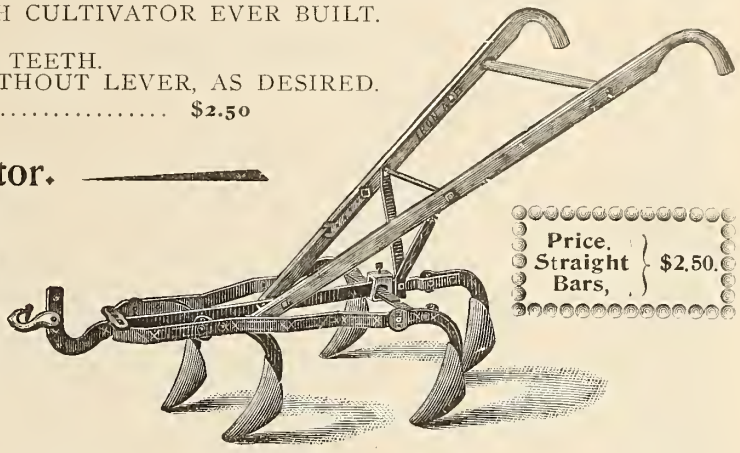
TRUCKERS CANNOT AFFORD to do without it. Four positions of teeth, doing good work in all crops. This is not to be compared with low-priced harrows, similar in appearance, but made of common material. The teeth have four positions. First the position as shown in cut, in which case it can be used for working very close to small plants. Thoroughly pulverizes, but throws no dirt on plants. Second position as a straight tooth harrow. Third position, the teeth can be arranged as a smoothing harrow, with sharp points down, in order to cut and level the surface. Fourth position, the teeth can be set with sheared end down, being less liable to injure young plants.

PRICE, $3.50.



Farmers' Friend Cultivator.

IN ALL RESPECTS THE BEST FIVE-TOOTH CULTIVATOR EVER BUILT.
STEEL EXPANDING FRAME,
REVERSIBLE STEEL TEETH.
WITH OR WITHOUT LEVER, AS DESIRED.
PRICE, AS SHOWN IN CUT..... $2.50

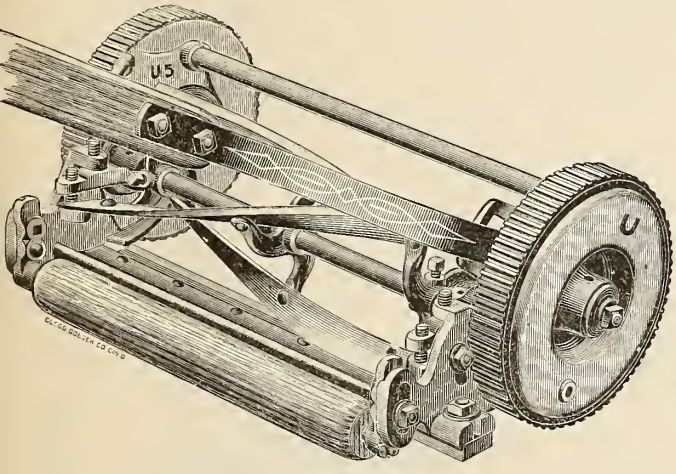


Price, Straight Bars, $2.50.

Eureka Spring-Tooth Cultivator.

THE Spring Tooth Cultivator is adapted to any kind of soil, but especially to rough and stony ground. The vibrating motion of the Spring Teeth separates the weeds from the earth; the weeds, being the lightest, work themselves up in the loop of the tooth, and are deposited on top for the sun to destroy. The frame may be instantly widened or narrowed. The teeth are adjustable to any depth, and can be turned around until the entire length of tooth is worn away.

PRICE, $3.50.



CHAMPION.

Lawn Mowers.

Champion Lawn Mower.

Simple in construction, light running, made of the very best material throughout, and warranted in every particular.

10 and 12-inch cut	$2.25
14-inch cut	2.50
16-inch cut	2.75
18-inch cut	3.25

Pennsylvania High Wheel Mower

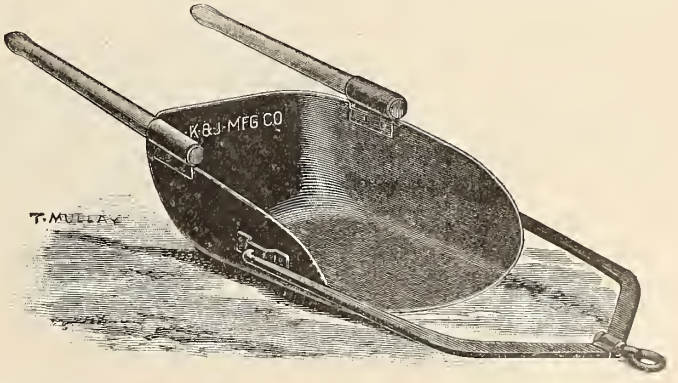
15-inch	$9.00
17-inch	11.00
19-inch	12.00

Carpenters' and Builders' Hardware.

IN THIS LINE WE CARRY AN ENDLESS VARIETY.

Many things you will find it difficult to secure outside of our warehouse, and claim that we can sell the same at better terms than any other house depending on HARDWARE, etc., since we handle these goods in connection with our business.

Steel Road Scrapers.



The bowls are pressed from a solid steel plate. Furnished with runners, which prevent slipping on sloping ground and lessens wear on bottom.

No. 3.—Weight, 85 pounds			$7.00
No. 2.—	"	95 "	8.00
No. 1.—	"	105 "	10.00

THE KANAWHA PUMPS.

PRICE LIST OF PORCELAIN-LINED PUMPS. COMPLETELY FITTED. READY TO SET IN WELL.

Closed Brackets and Heavy Handles will be furnished on the House Well, Stock Well and Deep Well Extension Pumps for $1.50 additional.

Depth of Well Measured From Platform to Bottom.	No. 2, 6x6 Porcelain Lined 3⅜ Inch Bucket.	No. 5, 7x7 Porcelain Lined 4 Inch Bucket.	No. 7, 8x8 Porcelain Lined 4 Inch Bucket.
8-foot Well.	$5.75	$7.00	$9.00
10 "	5.85	7.20	9.25
11 "	6.05	7.35	9.50
12 "	6.15	7.54	9.75
13 "	6.25	7.70	10.00
14 "	6.40	7.85	10.25
15 "	6.60	8.00	10.50
16 "	6.85	8.20	10.75
17 "	6.96	8.35	11.00
18 "	7.15	8.65	11.25
19 "	7.35	8.95	11.50
20 "	7.48	9.25	11.75
21 "	7.60	9.40	12.00
22 "	7.70	9.65	12.25
23 "	8.10	10.00	12.50
24 "	8.21	10.30	12.75
25 "	8.60	10.50	13.00
26 "	8.72	10.75	13.50
27 "	8.80	11.00	.....
28 "	8.95	11.25	.....
29 "	9.30	11.60	.....
30 "	9.65	12.00	.....
31 "	11.00	12.50	.....
32 "	11.25	12.80	.....

Depth of Well Measured From Platform to Bottom.	No. 4, 7x7 Porcelain Lined Extension Pump, with Open Bracket. Plain Handle, 4x4 Suction Pipe, 3 Inch Bucket.
34-feet Well.	$12.90
36 "	13.25
38 "	13.75
40 "	14.25
42 "	15.00
44 "	15.75
46 "	16.50
48 "	17.25
50 "	18.00
52 "	18.75
54 "	19.50
56 "	20.20
58 "	21.00
60 "	21.75
62 "	22.00
64 "	22.75
66 "	23.50
68 "	24.25
70 "	25.00
72 "	25.75
74 "	26.50
76 "	27.25
78 "	28.00

For unlined pumps, deduct $1.50 from above prices.

WHEELBARROWS.

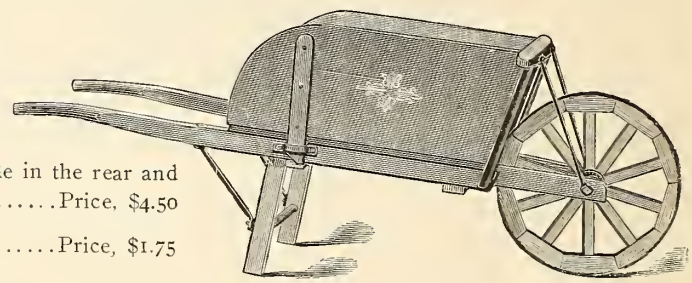
Strongly Braced and Nicely Painted.

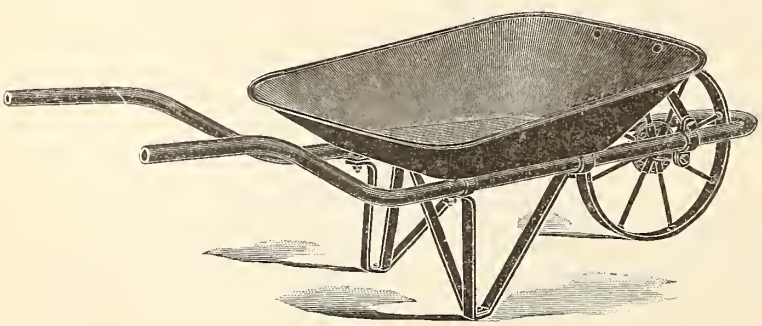
No. 2.....Price, $3.00

No. 3 has 18-inch wheel. Inside measurement of body as follows, viz.: 22 inches long, 21 inches wide in rear, and 17 inches wide in front.....Price, $3.50

No. 4 has 20-inch wheel, is 27 inches long, 22 inches wide in the rear and 18 inches wide in front.....Price, $4.50

Canal Barrows.....Price, $1.75





SOLID PRESSED STEEL TRAY BARROW.

With Tubular Steel Frame.

THE TRAY is pressed from a single piece of steel, is very smooth, and is so shaped and placed upon the frame as to bring the greater part of the load over the wheel, making it very easy on user's arms. This barrow is well made and balanced, strongly braced, and is in every way very desirable. The wheel is strong (no better made) and will last a lifetime.

Size B2—Capacity, 5 cubic feet, 14-gauge steel, weight 75 pounds..... $6.50

Size D—Same as B2, excepting smaller.. 5.50

Farming Implements and Supplies

OLIVER CHILLED PLOWS.

Plows.		Points.	Landsides.	Mouldboards.	Standards.	Beams.
A1 and A2	$4.50	25c.	40c.	$1.25	$1.25	$1.00
B	6.00	25c.	60c.	1.75	1.50	1.00
10-0	7.00	25c.	60c.	2.00	2.00	1.00
13	8.00	25c.	65c.	2.25	2.00	1.25
19	8.50	30c.	75c.	2.50	2.25	1.25
20	9.00	30c.	75c.	2.75	2.25	1.25
40	9.50	30c.	75c.	3.00	2.50	1.25
E	9.00	30c.	75c.	3.00	2.50	1.25

PRICES OF PLOWS do not include Wheels or Jointers, which are extra.

Wheels..... $1.00 Jointers..... $2.00

SYRACUSE PLOWS.

Right-Hand Iron Beam.

No.	Year.	Size.	Price.
3	1878.	Light Two-horse	$10.00
2	1878.	Medium Two-horse	10.00
1	1878.	Large Two-horse	11.00
10	1878.	Three-horse	12.00

Left-Hand Iron Beam.

20	1878.	Medium Two-horse	$11.00
30	1878.	Three-horse	12.00

Right-Hand Steel Beam.

No.	Size.	Price.
7	Medium Two-horse	$12.00
8	Two or Three-horse	13.00
15	Three-horse	13.50

Left-Hand Steel Beam.

21	Two or Three-horse	$12.00
35	Three-horse	13.50

Steel Beam Hillside.

6	Two-horse	$13.00

Wood Beams.

Right-Hand.

No.	Size.	Price.
51	Light One-horse	$5.00
52	Medium One-horse	6.50
54	Light Two-horse	8.00
55	Medium Two-horse	9.00
56	Medium Two-horse	9.50
57	Two or Three-horse	10.00
601	Heavy Two-horse	10.00
602	Medium Two-horse	8.50
603	Light Two-horse	9.50

Left-Hand.

95	Medium Two-horse	$8.00
86	Medium Two-horse	8.50
97	Two or Three-horse	8.50
	With Wheel	add 1.00
	Wheel and Jointer	3.00

We also carry in stock a full line of repairs for Plows of all makes—South Bend, Roland Chilled, Bissell, Chesapeake, etc.—at reduced prices.

THE GREAT COMMON-SENSE SPRINGTOOTH LEVER HARROW.

80c. and 90c. a tooth.

14, 16, 18, 20 and 22 teeth.

SHOVEL PLOWS.

Improved Wood Beam Double Shovel.....$2.50
All Steel Single Shovel..... 2.25

DOUBLE HINGE WOOD FRAME HARROW.

——Has Runners Ready for the Road, Without Unhitching the Team.——

50 teeth..... $10.00

CONTINENTAL DISK HARROW.

The only Harrow on the market that reaches the entire ridge and pulverizes the ground from outside to outside, leaving a smooth surface behind it.

Price..... $20.00

Aside from our ILLUSTRATION OF IMPLEMENTS GIVEN,

We carry in stock——

Back Bands.
Binder Repairs.
Binder Twine.
Calf Weaners.
Corn Planters.
Corn Shellers.
Cultivator Points.
Double and Single Trees.
Drill Points.
Drill Tubes.
Farm Bells.
Feed Boxes.
Feed Cutters.
Fertilizer Distributors.
Grain Cradles.
Hames.
Hamestrings.
Hay Tool Supplies.
Hay Carriers.
Hay Knives.
Hay Rakes.
Hay Rake Teeth.
Horse Brushes.
Horse Powders.
Horse Blankets.
Horse Covers.
Mower Repairs.
Scales of All Kinds.
Wagon Jacks.

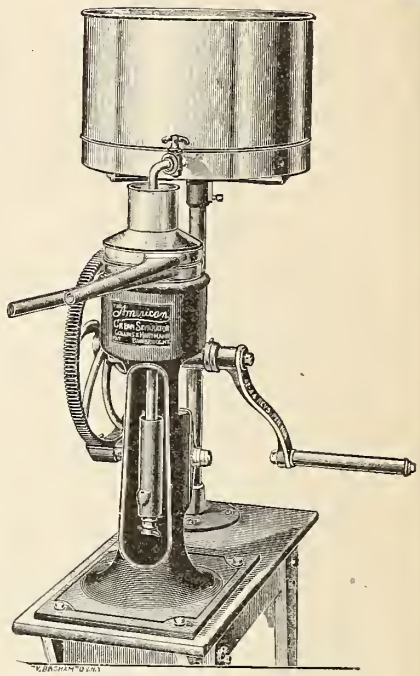
WHILE NOT ILLUSTRATED, WE CARRY A FULL LINE OF PLOWS AND PLOW REPAIRS.

DAIRY SUPPLIES.

AMERICAN CREAM SEPARATORS

A PROFITABLE INVESTMENT.

AN INVESTMENT paying six per cent. per annum is considered a good thing at the present time, but if you have five or more cows, and are using the gravity method for raising cream in your dairy, we will for a limited sum furnish you a machine which, properly handled, will constitute an investment paying from twenty-five to even one hundred per cent. and over thereon, by the increased quantity and quality of your butter; the extra value of your skim milk, by reason of its being perfectly sweet and still retaining the natural warmth, together with the minor items which help to swell the balance in favor of the Separator, such as the saving of time and labor.



The AMERICAN SEPARATOR has a reputation of being unsurpassed for :

CLEAN SKIMMING ❧ EASE OF OPERATION ❧

SIMPLICITY ❧ DURABILITY ❧ CAPACITY ❧ PRICE.

The first of these features is without exception the most important of all, for no matter how cheap the first cost of a Separator may be, it will become expensive in a very short time if it does not separate the milk clean, whilst the ease of operation is a vital point in any hand machine, and is one of the characteristics of the "American."

In simplicity we have achieved a result which astonishes all who have tried our machine, for instead of having numerous parts connected with the bowl, the "American" has but four pieces, including the covers, and this has frequently been the cause of our displacing competitors.

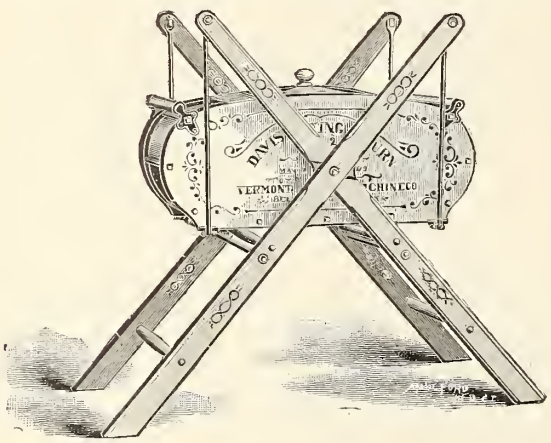
The durability of the "American" is one of its principal recommendations, and in this connection it challenges any make of Separator on the market.

Capacity and price are factors of the greatest importance, and these alone make it a sufficient inducement for the prospective purchaser of a Hand Cream Separator to investigate the merits of the "American."

Price No. 1.—Capacity, 250 pounds per hour..... $65.00
" " 2.— " 350 " " 100.00

Subject to a Discount for Cash.

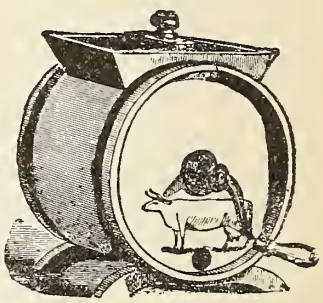
Davis' Swing Churn



No.	Capacity.	Will Churn.	Price.
1	8 Gallons	4 Gallons	$7.00
2	10 "	5 "	8.00
3	16 "	8 "	10.00
4	20 "	10 "	12.00
5	26 "	13 "	15.00
6	34 "	17 "	18.00
7	60 "	30 "	25.00

Has no floats nor paddles inside. There is no danger of the cover coming off and spilling the cream. It requires less effort to work than any other. It is easily cleaned.

Cylinder Churns.



No.	Capacity.	Price.
1	2¾ Gallons	$2.00
2	4 "	2.50
3	7 "	3.00
4	10½ "	3.50
5	15 "	4.00

Spain's Patent Churn

No.			PRICE. Without Stand.	PRICE. With Stand.
1.	Churns 9	quarts	$4.25	$4.75
2.	" 15	"	4.65	5.40
3.	" 20	"	5.00	5.80
4.	" 24	"	5.75	6.65
5.	" 32	"	6.50	7.50
6.	" 44	"	7.50	8.60

Made of white cedar and bound with galvanized iron hoops. A special form of dasher arranged to produce the best effect. A large opening through which the dasher can be removed, admitting of thorough cleansing and ventilation of both dasher and churn.

NOTE.—The churning capacity as given above represents half the full capacity of churns.

New Triumph Lettuce.

OUR LATEST INTRODUCTION SINCE THE FAMOUS "DEFIANCE."

See Page 12.

THE LARGEST SMOOTH FLESH-COLORED TOMATO KNOWN.

For Description See Page 21.